

(3) **HEALTH REPORT**
FOR THE
(1) **CITY OF NEWARK**
—+—
1948



HON. JOHN A. BRADY, Director,
Department of Public Affairs.

(2) Department of Health, Newark, N. J.
CHARLES V. CRASTER, M.D., D.P.H.,
Health Officer.

WE ARE PROUD!

THE NEWARK HEALTH DEPARTMENT HAS WON MANY AWARDS IN NATIONAL PUBLIC HEALTH COMPETITION, BUT WE ARE PROUD OF THE COMMENT RECENTLY MADE BY DR. HAVEN EMERSON, CHAIRMAN OF THE COMMITTEE ON LOCAL HEALTH UNITS FOR THE AMERICAN PUBLIC HEALTH ASSOCIATION AND WHO WAS FOR YEARS DEAN OF THE SCHOOL OF PUBLIC HEALTH, COLUMBIA UNIVERSITY. IN A PUBLIC ADDRESS FOLLOWING A COMPREHENSIVE STUDY OF LOCAL HEALTH DEPARTMENTS IN NEW JERSEY, DR. EMERSON SAID, "NEWARK HAS HAD AN ENVIABLE RECORD OF GOOD ADMINISTRATION AND SOUND SERVICE FOR A LONG TIME". HE RECOMMENDED THAT NEW JERSEY SHOULD HAVE ONLY 22 HEALTH DEPARTMENTS, ONE IN EACH OF THE OTHER 20 COUNTIES, ONE IN ESSEX OUTSIDE OF NEWARK AND ONE IN NEWARK. "BECAUSE OF THE SIZE OF NEWARK, AND THE QUALITY OF SERVICE THERE, THAT DEPARTMENT SHOULD REMAIN AS IS".

THANK YOU, - DR. EMERSON.

DEPARTMENT OF HEALTH

NEWARK, N. J.

HEALTH OFFICER - - - - - CHARLES V. CRASTER, M.D., D.P.H.

ASSISTANT HEALTH OFFICERS

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EXECUTIVE DIVISION

CHRISTOPHER C. NUGENT, JR.
SANITARY DIVISION

JOSEPH E. CONNOLLY
FOOD & DRUG DIVISION

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HENRY SIMON, M.D.

PHYSICIANS-IN-CHARGE

CHILD HYGIENE
JULIUS LEVY, M.D.

CONTAGION
JOSEPH W. GARDAN, M.D.

TUBERCULOSIS
IRVING WILLNER, M.D.

VENEREAL DISEASE
AMES FILIPPONE, M.D.

OCCUPATIONAL
WILLIAM T. RUMAGE, M.D.

CITY DISPENSARY
SAMUEL SCHIFFMAN, M.D.

EPIDEMIOLOGIST (VENEREAL DISEASE)

ISIDORE PINCUS, M.D.

ASST. EPIDEMIOLOGIST (VENEREAL DISEASE)

E. MAE MCCARROLL, M.D.

CHIEF VETERINARIAN
MICHAEL J. HUGHES, D.V.S.

CHIEF BACTERIOLOGIST
HAROLD A. TARBELL, M.D.

CITY CHEMIST
HALSEY DURAND, B.S.

PATHOLOGIST
HARRISON S. WARTLAND, M.D.

CHIEF PHARMACIST
OSCAR B. STEVENS, PH.G.

CHIEF DENTAL SUPERVISOR
LEO J. MCMAHON, D.D.S.

CHIEF INSPECTOR, PLUMBING

CHARLES A. HALLGREN

CHIEF INSPECTOR, CONTAGION

WILLIAM S. JENNINGS

CHIEF INSPECTOR, SANITATION

JOHN F. LYNCH

CHIEF INSPECTOR, INDUSTRIAL HYGIENE

CHARLES J. MAGUIRE

CHIEF INSPECTOR, FUMIGATION

EDWARD A. SMITH

DIRECTOR, PUBLIC HEALTH NURSING SERVICE

MELVINA H. RYAN, R.N.

SUPERVISOR, CHILD HYGIENE NURSES

MEREDITH EHRICH, R.N.

SUPERVISOR, TUBERCULOSIS NURSES

MAE C. WACKENHUTH, R.N.

SUPERVISOR, PAROCHIAL SCHOOL NURSES

ANNIE T. REILLY, R.N.

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CITY OF NEWARK, NEW JERSEY
FIVE CITY COMMISSIONERS (ELECTED FOR 4 YRS)
ALL CITY FUNDS, ORDINANCES, APPOINTMENTS &C

NEWARK HEALTH DEPARTMENT
ORGANIZATION
ALL EMPLOYEES-CIVIL SERVICE

ONE OF THESE
DIRECTOR OF PUBLIC AFFAIRS
HAS CHARGE OF
HOSPITALS - HEALTH - RELIEF, ETC.

DEPARTMENT ENFORCES
STATE LAWS AND
LOCAL ORDINANCES ON HEALTH

HEALTH DEPT.

HEALTH OFFICER
EXECUTIVE HEAD

EXECUTIVE DIVISION
ADMINISTRATION, VITAL
STATISTICS, EDUCATION,
MAINTENANCE, ETC.

LABORATORIES
CHEMICAL, BACTERIOLOGICAL, SEROLOGICAL
SERVE ALL DIVISIONS

DISPENSARY CLINICS
TREATMENT OF INDIGENT PATIENTS

INFANT & CHILD HEALTH

PAROCHIAL
SCHOOL
MED. INSPEC.
HEALTH EDUC.

CHILD
HYGIENE
DIV.

BABY
KEEP-WELL
STATIONS

DISEASE CONTROL

OCCUPATIONAL
CLINIC
DOMESTICS-
FOODHANDLERS
SPEC. GROUPS

VENEREAL
DISEASE
DIV.
CONTROL &
CLINICS

TUBERCULOSIS
DIV.
CONTROL &
CLINICS

COMMUNICABLE
DISEASE
DIV.

SANITARY
DIV.
ENVIRONMENTAL
SANITATION,
DOG CONTROL &C

PLUMBING
DIV.
NEW
PLUMBING

INDUSTRIAL
HYGIENE
DIV.

MEAT
INSPECTION
DIV.

FOOD & DRUG
CONTROL
DIV.



HEALTH REPORT - 1948

NEWARK, N. J.

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PEOPLE LIVE LONGER

IN 1916 - 17% OF DEATHS
WERE OVER
65.
IN 1948 - 42% HAD LIVED
THAT LONG

1925 - 1948

7.6

1948 - LOWEST EVER
OVER 80% REDUCTION
IN 10 YEARS

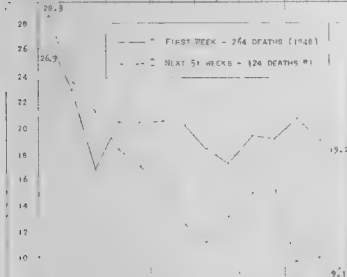
DEATHS
PER
1000
BIRTHS

NEWARK - N.J.

INFANT MORTALITY

FAR MORE INFANTS DIE IN FIRST WEEK
THAN IN NEXT 51 WEEKS

1935 36 37 38 39 40 41 42 43 44 45 46 47 48



HALF THE DEATHS UNDER 1 WEEK AND

ONE-THIRD OF ALL DEATHS UNDER 1 YEAR
OCCUR IN THE FIRST DAY OF LIFE!

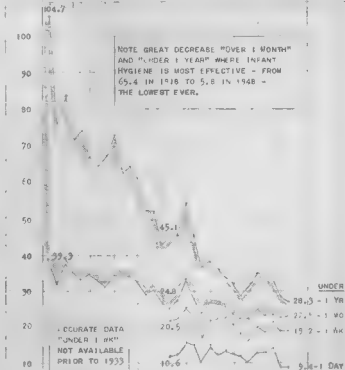
B
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1000
LIVE
BIRTHS

NEWARK - N.J.

INFANT MORTALITY

UNDER 1 YR. - 1 MO. - 1 WK. - 1 DAY

1918 20 23 26 29 32 35 38 41 44 48



NOTE GREAT DECREASE "OVER 1 MONTH"
AND "UNDER 1 YEAR" WHERE INFANT
HYGIENE IS MOST EFFECTIVE - FROM
65.4 IN 1918 TO 5.8 IN 1948 -
THE LOWEST EVER.

ACCURATE DATA
"UNDER 1 WK"
NOT AVAILABLE
PRIOR TO 1933

DEATHS
PER
1000
CASES

NEWARK - N.J.

DOWNWARD TRENDS

IN
CASE FATALITY

4-YR AVERAGES 1916-9 20-23 24-27 28-31 32-35 36-39 40-43 44-47

20 19.5

18 19.0 IS IT DUE TO LOWER DISEASE VIRULENCE -
OR INCREASED RESISTANCE ?

16 WE CREDIT BETTER INFANT
HYGIENE AND NUTRITION.

14 1948
NO DEATHS AMONG --
345 SCARLET FEVER CASES
268 WHOOPING COUGH CASES

12 ONLY 1 DEATH AMONG -
6247 MEASLES CASES

10 12.4
12.3 MEASLES
SCARLET FEVER
WHOOPING COUGH

8

6

4

2

0

NEWARK - N.J.

TRENDS IN MAJOR CAUSES OF DEATH

DEATHS PER YR 1920 22 24 26 28 30 32 34 36 38 40 42 44 46 48

2000

1800

1600

1400

1200

1000

800

600

400

200

0

IN THIRTY YEARS --

HEART DIS. TRIPLED 529-1804

CANCER HAS DOUBLED 374-780

T.B. DROPPED 70% 637-232

INF.DIA. " 98% 295-2

PNEUMONIA " 75% 645-133

HEART DISEASE

CANCER

PNEUMONIA

DIARRHEA (UNDER 5)

TOTAL
DEATHS

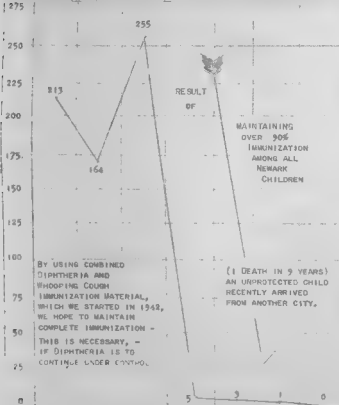
NEWARK - N.J.

DIPHTHERIA MORTALITY

IMMUNIZATION HAS PAID DIVIDENDS

FOR
4-YR
PER-
IODS

1920-23 1924-27 1928-31 1932-35 1936-39 1940-43 1944-48

THREE
YR
AVERAGES

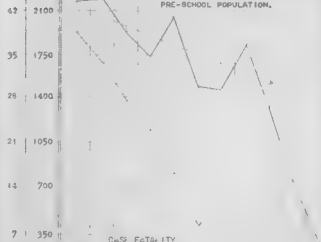
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WHOPPING COUGH

THE NEXT TO GO?

DEATHS	CASES	1917	20	23	26	29	32	35	38	41	44	46	48
		1919	22	25	28	31	34	37	40	43	46	48	

NOTE RAPID MORBIDITY DECREASE SINCE 1940 FOLLOWING IMMUNIZATION PROGRAM, DESPITE INCREASED PRE-SCHOOL POPULATION.



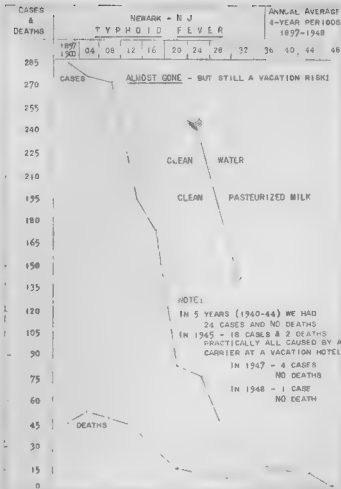
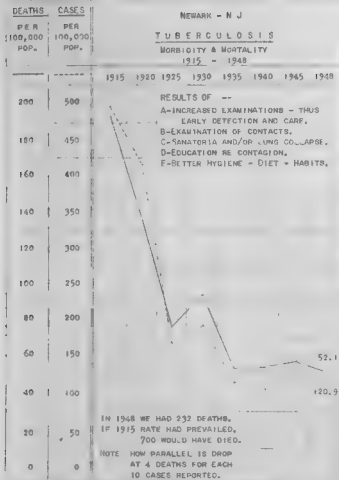
CASE FATALITY

1917 - 15.3 DEATHS PER 100 CASES

1947 - 0.7 " " " "

1948 - 0 " " " "

IMMUNIZATION FOR PATIENTS	YEAR	PRIV. LOC.	HEALTH CLINIC	TOTAL
NOTE OUTSTANDING COOPERATION BY PRIVATE PHYSICIANS	1942	177	3697	3874
	1943	1095	2819	3914
	1944	3653	2951	6604
34,912 PRE-SCHOOL CHILDREN GIVEN IMMUNIZATION	1945	4542	3052	7594
TREATMENT IN 1945-48	1946	4917	3339	8256
	1947	6046	3324	9370
	1948	6303	3309	9692



HEALTH REPORT - 1948

NEWARK, N. J.

CHARLES V. CRASTER, M.D., D.P.H., -- HEALTH OFFICER



TO HONORABLE JOHN A. BRADY, DIRECTOR OF PUBLIC AFFAIRS

AND TO THE CITIZENS OF NEWARK, N. J.

THE HEALTH STORY OF 1948

HEALTH CONDITIONS IN NEWARK NOT ONLY CONTINUED TO BE EXCELLENT DURING 1948, BUT THE MAJOR HEALTH RATES BY WHICH HEALTH CONDITIONS CAN BE MEASURED, WERE THE BEST EVER RECORDED IN OUR HISTORY. IT IS REASONABLE TO CLAIM THAT THESE RATES TO A LARGE DEGREE ARE THE RESULT OF PROPERLY CONDUCTED EFFORT AND NOT MERELY COINCIDENT. THAT FACT IS PARTICULARLY GRATIFYING AT THIS TIME WHEN THE PUBLIC IS MORE AWARE THAN USUAL TO STUDY PUBLIC EXPENDITURES AND TO DETERMINE WHETHER THE TAX MONEY IS BEING WISELY SPENT, OR NOT.

THERE WERE 5,222 DEATHS IN NEWARK FROM ALL CAUSES, MAKING A CRUDE MORTALITY RATE OF 1.4 PER 1000 POPULATION, OR WELL BELOW THE NORMAL OF 1.6 FOR THE PAST ELEVEN YEARS. OUR ADJUSTED RATE IS CALCULATED BY SUBTRACTING DEATHS OF NON-RESIDENTS, LARGELY IN THE MANY NEWARK HOSPITALS, BUT INCLUDING KNOWN DEATHS OF NEWARK RESIDENTS IN OUTSIDE HOSPITALS. THERE WERE 840 NON-RESIDENT DEATHS, GIVING US AN ADJUSTED TOTAL 4,382 DEATHS AND AN ADJUSTED MORTALITY RATE OF 9.8 PER 1000 POPULATION. THIS IS THE LOWEST SUCH MORTALITY RATE EVER RECORDED.

BIRTHS, AFTER A GREAT INCREASE FOR SEVERAL YEARS FROM 7,236 AND A RATE OF 5.8 PER 1000 POPULATION IN 1936 (THE LOWEST EVER RECORDED) TO 14,700 AND A RATE OF 33.1 IN 1947 (THE HIGHEST EVER RECORDED), FINALLY PASSED THE PEAK AND DECLINED SLIGHTLY TO 3,703 BIRTHS IN 1948 AND A RATE OF 30.8. THIS IS STILL THE SECOND HIGHEST ON RECORD BUT WILL PROBABLY BE THE START OF A DOWNWARD TREND FOR SEVERAL YEARS.

AGAIN WE FIND THAT BOTH MOTHERS AND BABIES ARE APPARENTLY BEING KEPT HEALTHY. OUR INFANT MORTALITY RATE AND OUR MATERNAL MORTALITY RATE BOTH SET THE LOWEST SUCH RECORD IN OUR HISTORY. THERE WERE 388 DEATHS UNDER ONE YEAR OR A RATE OF 26.3 DEATHS UNDER ONE YEAR PER 1000 LIVING BIRTHS (LOWEST EVER). THERE WERE ONLY 10 DEATHS AMONG MOTHERS DELIVERING 15,703 LIVING BABIES AND 306 STILL-BIRTHS. THIS IS A MATERNAL DEATH RATE OF 7.7 PER 1000 DELIVERIES (LOWEST EVER). NONE OF THE 10 PLEURAL DEATHS WERE CAUSED BY SEPTICAEMIA.

THE OTHER MAJOR PUBLIC HEALTH RECORD IS, OF COURSE, TUBERCULOSIS MORTALITY. WE ARE PROUD TO REPORT THAT THIS RATE AGAIN REACHED THE LOWEST EVER RECORDED IN THIS CITY WITH 232 SUCH DEATHS OR A RATE OF 52.1.

INTERESTING DEVELOPMENTS

IMMUNIZATION AGAINST WHOOPING COUGH

FOR SEVERAL YEARS WE HAVE BEEN ABLE TO MAINTAIN A HIGH RATE OF PROTECTION AGAINST DIPHTHERIA AMONG INFANTS AND PRE-SCHOOL CHILDREN WHICH IS ESSENTIAL IF THAT DISEASE IS TO BE KEPT OUT OF OUR CITY. IN 1948, 6,078 DIFFERENT INFANTS AND PRE-SCHOOL CHILDREN WERE TREATED WITH DIPHTHERIA TOXOID AND 9,477 AGAINST WHOOPING COUGH, MOST OF THEM, THE SAME CHILDREN. NEWARK PARENTS REALIZE THE VALUE OF THIS PROCEDURE. THAT NEWARK PRIVATE DOCTORS ARE ACTIVELY COOPERATING, IS SHOWN BY THE FACT THAT TWO-THIRDS OF THESE IMMUNIZATIONS IN 1948 WERE CARRIED OUT BY PRIVATE DOCTORS AND ONLY ONE-THIRD AT OUR DEPARTMENT CLINICS.

THIS MULTIPLE PROTECTION IS GREATLY AIDED BY USING COMBINED MATERIAL PROTECTING AGAINST BOTH WHOOPING COUGH AND DIPHTHERIA, A METHOD NOW BEING USED BY MOST PRIVATE PHYSICIANS AS WELL AS OUR CLINICS. THIS YEAR WE HAVE EXPANDED THAT COMBINED MATERIAL METHOD BY NOT ONLY INCLUDING DIPHTHERIA TOXOID AND WHOOPING COUGH VACCINE BUT ALSO TETANUS TOXOID. ALTHOUGH IT IS REALIZED THAT WHOOPING COUGH PROTECTION IS NOT AS CERTAIN OR COMPLETE AS DIPHTHERIA PROTECTION, OUR CAREFUL STUDY OF EVERY REPORTED WHOOPING COUGH CASE AND THE DEGREE OF SEVERITY AMONG THOSE CASES, GIVES CONSIDERABLE

EVIDENCE THAT THE TREATMENT ACTUALLY DOES PREVENT ONSET VERY OFTEN AND THIS IS REDUCING INCIDENCE AND THE DEGREE OF SEVERITY AMONG THOSE INJECTED IS FAR BELOW SEVERITY AMONG UNPROTECTED CHILDREN. AT PRESENT, WE CONSERVATIVELY ESTIMATE OUR PRE-SCHOOL POPULATION AS OVER 90% PROTECTED AGAINST DIPHTHERIA AND 65% AGAINST WHOOPING COUGH. INDIVIDUAL RECORD IS KEPT OF EVERY PRE-SCHOOL CHILD, FOR FOLLOW-UP UNTIL IMMUNIZED.

ALTHOUGH IT IS TRUE THERE ARE FEW CASES OF TETANUS, THE VALUE OF INCLUDING TETANUS TOXOID IS OBVIOUS. EVERY PHYSICIAN, TO PLAY SAFE, USES TETANUS ANTITOXIN FOLLOWING AN OPEN CONTAMINATED WOUND, REACT OR TO THAT ANY TOXIN IS OFTEN SEVERE. IF THE PRE-SCHOOL CHILD HAS HAD TETANUS TOXOID, ANTITOXIN IS NOT NEEDED FOLLOWING SUCH A WOUND FOR SEVERAL YEARS. A TOXOID BOOSTER DOSE IS SUFFICIENT AND SENSITIVITY OF REACTION IS A RARITY.

VACCINATION - SMALLPOX

SMALLPOX, NOT BEING A CARRIAGE DISEASE, IS SPREAD ONLY BY CONTACT WITH AN ACTUAL CASE AND NEWARK HAS HAD NO CASES SINCE 1917. THIS PROBABLY IS THE RESULT OF COMPULSORY VACCINATION FOR OVER 30 YEARS IN BOTH PUBLIC AND PAROCHIAL SCHOOLS, TOGETHER WITH WIDESPREAD VACCINATION CAMPAIGNS AMONG ADULTS, - 106,000 IN 1931 WHEN WE HAD TWO OR THREE WILD CASES AND 80,000 IN 1947 WHEN NEW YORK CITY HAD SEVERAL CASES. IN SPITE OF THIS FREEDOM OF SMALLPOX WE HAVE ADDED SMALLPOX VACCINATION AS ROUTINE IN OUR BABY-KEEP-WELL STATIONS. THE CHILD RECEIVES THREE INJECTIONS A MONTH APART OF COMBINED WHOOPING COUGH-DIPHTHERIA-TETANUS MATERIAL AND ON THE THIRD VISIT IS ALSO VACCINATED. IN 1948, 7,699 SUCH VACCINATIONS WERE MADE BY OUR CLINICS AND BY PRIVATE DOCTORS.

CHILDREN'S DENTAL CLINIC EXPANSION

AN OUTSTANDING DEVELOPMENT DURING THE YEAR WAS IN CHILDREN'S DENTAL WORK. WITH 60,000 PUBLIC AND PAROCHIAL SCHOOL CHILDREN AND WITH AN EXCELLENT NURSING SERVICE IN BOTH SYSTEMS INSISTING UPON NECESSARY DENTAL WORK AND DENTAL EXAMINATIONS, THERE ARE THOUSANDS OF CHILDREN WHOSE PARENTS CANNOT AFFORD TO PAY. CARE OF CHILDREN'S TEETH IS NOT MERELY RELIEF OF PAIN. IT IS AN EXCELLENT FORM OF CHILD HEALTH TO INSURE BETTER ADULT HEALTH. DURING 1948, WE MORE THAN DOUBLED THE CLINIC FOR CHILDREN AND NEUROLOGICALLY SEPARATED THEM ENTIRELY FROM ADULT CLINICS. WE NOW HAVE FOR CHILDREN ONLY, THREE 2-HOUR SESSIONS PER WEEK IN OUR MAIN DISPENSARY WITH FOUR DENTISTS IN ATTENDANCE AND 12 HAVE THIRTY-SEVEN 2-HOUR SESSIONS PER WEEK WITH ONE DENTIST IN ATTENDANCE IN NINE DIFFERENT NEIGHBORHOODS. FORMERLY WE HAD ONLY NINETEEN SUCH SESSIONS. THESE NEIGHBORHOOD CLINICS ARE LOCATED IN FIVE SCHOOLS, A BOY'S CLUB AND A HOUSING PROJECT, FOR NONE OF WHICH WE PAY RENT, AND IN ONE CENTRALLY LOCATED PRIVATE CLINIC FOR WHICH RENT IS PAID.

OTHER CLINIC DEVELOPMENTS

CANCER

DURING THE YEAR A SPECIAL CLINIC WAS ESTABLISHED IN OUR DISPENSARY FOR THE EXAMINATION AND DIAGNOSIS OF TUMORS AND CONDITIONS SUSPICIOUS OF CANCER. THIS IS IN LINE WITH THE NATIONAL EFFORT TO HAVE MORE PEOPLE EXAMINED AND, IF THEY HAVE CANCER, PROPERLY DIAGNOSED TO INSURE EARLY TREATMENT. THIS DIAGNOSTIC SERVICE IS FREE TO ALL, REGARDLESS OF ABILITY TO PAY. OF COURSE, THOSE ABLE TO PAY AND WHO ARE FOUND TO NEED TREATMENT ARE REFERRED TO THEIR PRIVATE DOCTOR OR HOSPITAL TOGETHER WITH A DIAGNOSIS. THIS CLINIC IS IN CHARGE OF A PHYSICIAN SPECIALIZING IN THAT WORK.

HEART CLINIC

CARDIAC WORK WHICH HAD BEEN A MINOR ACTIVITY OF OUR CHEST CLINIC IN THE TUBERCULOSIS DIVISION HAS BEEN EXPANDED BY THE APPOINTMENT OF TWO EMINENT CARDIOLOGISTS AND IT IS PLANNED TO GREATLY INCREASE THE USE OF CARDIOGRAMS WHICH CAN NOW BE TAKEN AND DEVELOPED IN OUR MAIN BUILDING X-RAY DEPARTMENT. A NURSE HAS BEEN GIVEN SPECIAL TRAINING SO THAT SHE MAY HANDLE CARDIOGRAPH WORK.

EYE CLINIC (BETTER VISION PROGRAM)

FOR MANY YEARS, DISPENSARY PATIENTS HAVE BEEN REFERRED FOR EYE CONDITIONS TO THE EYE AND EAR INFIRMARY. THIS REQUIRED MANY PATIENTS WITH OTHER CONDITIONS TO ATTEND TWO DIFFERENT CLINICS VERY FAR APART. IN 1948, AN OPHTHALMOLOGIST WAS APPOINTED AND EYE CLINIC ESTABLISHED. THIS SPECIALIST HAS ALSO STARTED A "BETTER VISION" EDUCATIONAL PROGRAM IN THE PAROCHIAL SCHOOLS AND CHECKS AT THE SCHOOLS ALL SUSPECTED EYE CASES DISCOVERED BY THE NURSES.

CHEST X-RAY PROGRAM

OUR CAMPAIGN FOR STEADILY INCREASED ROUTINE CHEST X-RAYS CONTINUED IN 1948. OVER 40,000 SCREEN TEST SMALL CHEST X-RAYS WERE TAKEN, MOST OF THEM AT OUR OCCUPATIONAL CLINIC. IT INCLUDED MORE THAN 21,000 DIFFERENT FOODHANDLERS AND DOMESTICS, WHERE IT IS COMPULSORY, LARGE GROUPS OF INDUSTRIAL WORKERS ARRANGED FOR BY THE INDUSTRIAL HYGIENE DIVISION AND ALL CITY DISPENSARY PATIENTS AS A ROUTINE. DURING THE YEAR, WE ALSO USED MOBILE EQUIPMENT FOR

NEIGHBORHOODS AND INDUSTRIAL PLANTS. THIS EQUIPMENT WAS USUALLY RENTED BUT ON ONE NEIGHBORHOOD CAMPAIGN, THE EQUIPMENT WAS LOANED BY THE TUBERCULOSIS LEAGUE. ALTHOUGH MORE CASES WERE DISCOVERED DUE TO THIS INCREASE IN EXAMINATIONS, WE HAD ONLY 232 TUBERCULOSIS DEATHS, THE LOWEST NUMBER REPORTED IN OVER 30 YEARS AND A RATE OF 52.1 PER 1000 POPULATION, ALSO THE LOWEST EVER RECORDED.

FOODHANDLER TRAINING COURSE

OUR REQUIREMENT THAT ALL FOODHANDLERS AND DOMESTIC EMPLOYEES BE EXAMINED TWICE ANNUALLY AND RECEIVE HEALTH CARDS HAS BEEN GRADUALLY IMPROVED. FIRST, BY REQUIRING AN ANNUAL BLOOD TEST FOR SYPHILIS AND MORE RECENTLY BY REQUIRING A SMALL CHEST X-RAY ON THE OTHER SIDE (ANNUAL VISIT). DURING THE PAST YEAR, 2,000 DIFFERENT PERSONS WERE THUS EXAMINED AND A NUMBER OF CASES OF UNSUSPECTED TUBERCULOSIS AND SYPHILIS DISCOVERED AND PUT UNDER TREATMENT.

A NEW DEVELOPMENT, MORE DIRECTLY AIMED AT THE PREVENTION OF FOOD INFECT ON OUTBREAKS, WAS STARTED DURING 1949. A COURSE OF FOUR ONE-HOUR LECTURES WAS STARTED AND OFFERED TO LARGER RESTAURANTS AND CONCERNS HAVING THEIR OWN FEEDING FACILITIES. MANY HAVE ALREADY AVAILED THEMSELVES OF THIS TRAINING. THE LECTURES ARE ARRANGED BY OUR SUPERVISOR OF VISUAL HEALTH EDUCATION AND ARE GIVEN BY TWO OR THREE OF OUR DEPARTMENT PHYSICIANS AIDED BY MOTION PICTURES. THOSE PLACES WHERE 80% OF THE EMPLOYEES TAKE THE COURSE RECEIVE SPECIAL CERTIFICATES FOR DISPLAY AND EACH INDIVIDUAL WORKER IS GIVEN A SMALL CERTIFICATE. WE NOW HAVE AN AUDITORIUM AVAILABLE WHERE THESE LECTURES CAN BE GIVEN SO THAT SMALLER RESTAURANTS WITH ONLY TWO OR THREE WORKERS FROM EACH PLACE, CAN BE ACCOMMODATED. WE HOPE TO ULTIMATELY MAKE THIS COURSE A REQUIREMENT TO OBTAIN A FOOD HANDLER'S CERTIFICATE.

GENERAL MORTALITY

DEATHS FROM ALL CAUSES NUMBERED 5,222 OR A RATE OF 11.4 PER 1000 ON AN ESTIMATED POPULATION OF 445,000. AS NEWARK HAS ALWAYS BEEN A HOSPITAL CENTER FOR MANY NEARBY COMMUNITIES, NON-RESIDENT DEATHS IN NEWARK FAR EXCEED THE DEATHS OF NEWARKERS DYING OUT OF TOWN. SUBTRACTING THE 840 NON-RESIDENT DEATHS, BUT INCLUDING KNOWN DEATHS OF NEWARKERS, IN OUTSIDE INSTITUTIONS, WE HAVE A TOTAL OF 4,382 DEATHS OR AN ADJUSTED MORTALITY RATE OF 9.8, THE LOWEST SUCH RATE EVER RECORDED.

CRUDE AND ADJUSTED DEATHS RATES

YEAR	POPULATION	CRUDE DEATHS	CRUDE DEATHS RATE	ADJUSTED DEATHS	ADJUSTED DEATH RATE
1940	429,000	5,025	11.7	4,762	11.1
1941	429,000	4,983	11.6	4,415	10.3
1942	429,000	5,090	11.9	4,659	10.8
1943	440,000	5,523	12.6	5,043	11.5
1944	440,000	5,052	11.6	4,535	10.3
1945	443,000	5,141	11.6	4,586	10.4
1946	443,000	4,937	11.1	4,395	9.9
1947	445,000	5,097	11.2	4,411	9.9
1948	445,000	5,222	11.4	4,382	9.8

PRINCIPAL CAUSES OF DEATH

THE MAJOR CAUSES OF OUR 5,222 NEWARK DEATHS WERE AS FOLLOWS:

ORGANIC HEART DISEASE	1804
CANCER	780
APOPLEXY	485
CONGENITAL CONDITIONS	37
BRIGHT'S DISEASE	276
PNEUMONIA & RESPIRATORY DIS.	235
TUBERCULOSIS	232

NOTE THAT TUBERCULOSIS IS NOW DOWN TO 7TH AS A MAJOR CAUSE OF DEATH.

TUBERCULOSIS (LOWEST EVER)

THE 232 DEATHS FROM TUBERCULOSIS (ALL FORMS) GAVE A MORTALITY RATE OF 52.1 PER 100,000, THE LOWEST NUMBER OF DEATHS AND THE LOWEST RATE IN OUR HISTORY. IN 5 RATE, WHEN TUBERCULOSIS WORK WAS STARTED, SOME 30 YEARS AGO, AVERAGED 200. HAD THAT RATE PREVAILED IN 1949, WE WOULD HAVE HAD 900 DEATHS INSTEAD OF 232. THE PRESENT DROP IS PARTICULARLY ENCOURAGING.

FOR OVER 25 YEARS. UP TO 1944, THE DROP HAD BEEN STEADY FROM YEAR TO YEAR, BUT FOR THREE YEARS, IT REMAINED STATIONARY BETWEEN 55 AND 59. INCREASED EFFORTS AGAIN STARTING IT ON THE WAY DOWN.

ORGANIC HEART DISEASE

ORGANIC HEART DISEASE CONTINUED TO BE, BY FAR, THE LEADING CAUSE, WITH 1804 DEATHS OR MORE THAN ONE-THIRD OF ALL DEATHS. THIS IS NOT AS ALARMING AS IT MAY SEEM. THIRTY YEARS AGO, LESS THAN 20% OF MARK DEATHS OCCURRED AFTER 45 YEARS OF AGE. IN 1948, THE PROPORTION WHICH HAD ASSUMED THAT AGE, HAD INCREASED TO 43% OF ALL DEATHS. AS OTHER CAUSES OF DEATH DURING YOUNGER YEARS ARE DECREASED, AND THE LIFE SPAN IS EXTENDED DEATHS WILL NATURALLY INCREASE FROM THOSE CAUSES DUE TO DEGENERATION, SUCH AS HEART DISEASE. INCIDENTALLY, 55% OF ALL HEART DEATHS LAST YEAR WERE OVER 45 YEARS OF AGE, AND 94% OF THE HEART DEATHS WERE OVER 45 YEARS OF AGE.

THERE IS, HOWEVER, STILL PLENTY OF OPPORTUNITY TO INCREASE THE USEFUL YEARS OF REASONABLE HEALTH FOR MANY POTENTIAL HEART VICTIMS. IT IS A FACT THAT VERY OFTEN AN INDIVIDUAL LEARNING THAT HE HAS A HEART CONDITION BEFORE IT HAS ADVANCED TOO FAR CAN, BY COMPLYING WITH REASONABLE RULES OF GOOD LIVING HABITS, LIVE LONGER THAN AN AVERAGE INDIVIDUAL OF THE SAME AGE, WHO DOES NOT TAKE PROPER CARE OF HIMSELF. WE HAVE INCREASED OUR HEART WORK AND ARE URGING FAR MORE PHYSICAL EXAMINATIONS IN MIDDLE AGE.

MATERNAL MORTALITY (LOWEST EVER)

THERE WERE ONLY 10 DEATHS DUE TO CHILDBIRTH OR A RATE OF .07 PER 1000 DELIVERIES, THE LOWEST EVER RECORDED. THAT RATE HAS BEEN DECREASED 80% IN THE PAST 20 YEARS, AND THIS YEAR NOT A SINGLE DEATH WAS DUE PUERPERAL SEPTICAEMIA. IT SHOULD BE NOTED THAT OUR MATERNAL MORTALITY RATE INCLUDES NOT ONLY LIVE BIRTHS, BUT ALSO STILLBIRTHS. THE STILLBIRTH RATE WAS ONLY 22 PER 1000 DELIVERIES, ALSO THE LOWEST PROPORTION ON RECORD, AND A REDUCTION OF MORE THAN 50% IN THE PAST 20 YEARS.

MATERNAL DEATHS BY CAUSES

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
TOTAL DEATHS - - - - -	30	29	26	22	18	9	18	16	12	10
PUERPERAL SEPTICAEMIA - - - - -	5	2	5	2	4	-	4	2	1	-
ECTOPIC PREGNANCY - - - - -	1	2	2	2	-	2	3	1	-	-
CAESARIAN SECTION - - - - -	3	8	1	3	3	-	-	3	1	-
SELF-INDUCED ABORTION - - - - -	5	-	-	-	-	-	-	-	-	-
SPONTANEOUS ABORTION - - - - -	3	-	2	2	-	-	-	-	-	-
ECLAMPSIA - - - - -	2	2	5	1	2	1	2	1	1	-
OTHER ACCIDENTS OF PREGNANCY - - - - -	8	-	1	-	4	-	2	3	1	5
PLACENTA PRAEVIA - - - - -	-	2	2	-	-	1	2	-	-	-
POST PARTUM HEMORRHAGE - - - - -	2	4	2	4	2	-	5	2	4	4
ACCIDENTAL ABORTIONS - - - - -	1	4	-	-	-	-	-	-	-	-
SHOCK FORCEP DELIV. BREACH PRES. - - - - -	-	3	1	-	1	-	-	-	-	-
TOXEMIA OF PREGNANCY - - - - -	-	2	3	-	-	-	-	1	-	-
CRIMINAL ABORTION (PUERPERA) - - - - -	-	-	2	2	1	1	-	-	-	-
CARDIAC FAIL. PREGNANCY - - - - -	-	-	-	4	-	3	-	1	-	-
LOBAR PNEUMONIA - - - - -	-	-	-	1	-	-	-	-	-	-
PULMONARY EMBOLISM - - - - -	-	-	-	1	1	-	-	1	1	-
AC. PERITONITIS FOLL. PARTURITION - - - - -	-	-	-	-	-	-	-	-	1	-
SPIN. ANAEB. NORMAL REMOVAL OF PLAC. - - - - -	-	-	-	-	-	-	-	-	1	-
HEN., SHOCK, PART. UTERUS, NORMAL CPL. - - - - -	-	-	-	-	-	-	-	-	1	-
MATERNAL MORTALITY PER 1000 DELIV.	3.7	3.3	2.6	1.8	1.5	0.8	1.5	1.2	0.8	0.7

ACCIDENTAL DEATHS

THERE WERE 212 ACCIDENTAL DEATHS IN 1948, A SLIGHT INCREASE OVER 1947 WHEN 200 SUCH DEATHS SET THE LOWEST MARK SINCE RECORDS WERE STARTED. IT IS STILL WELL BELOW ANY PREVIOUS YEAR. AUTO DEATHS NUMBERED 40, COMPARED WITH 36 IN 1947 WHICH WAS THE RECORD LOW UP TO THEN. AUTO DEATHS REACHED A HIGH OF 90 IN 1943. AS USUAL, THE LEADING CAUSE OF ACCIDENTAL DEATHS WAS "FALLS". THE 78 DEATHS FROM ACCIDENTAL FALL IS THE LOWEST, HOWEVER, EVER RECORDED, THE 1-YEAR NORMAL BEING 92. AN INTERESTING INCREASE WAS IN DROWNING, WITH 18 SUCH DEATHS, BY FAR THE HIGHEST EVER RECORDED. HEAT EXHAUSTION ALSO SET A RECORD HIGH WITH 8 SUCH DEATHS.

A HEAT ORDINANCE REQUIRING METAL GAS TUBE CONNECTIONS HAS GREATLY REDUCED DEATHS FROM ILLUMINATING GAS IN THE PAST 20 YEARS. THAT CAUSE GREATLY INCREASED, HOWEVER, DURING THE WAR, DUE TO MAKE-SHIFT, IMPROVED GAS STOVES AND HEATER IN FURNISHED ROOMS AND INCREASED TO 23 - 26 DEATHS DURING THE WAR YEARS. THERE WERE 14 ACCIDENTAL GAS DEATHS IN 1948.

ACCIDENTAL DEATHS BY PRINCIPAL CAUSES

	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938
TOTAL	212	200	234	271	270	304	271	235	258	226	268
AUTO & MOTORCYCLE	40	36	66	57	77	90	76	69	73	79	62
ACCIDENTAL FALLS	79	79	90	107	92	87	99	100	83	81	101
ACCIDENTAL BURNS	11	7	12	13	14	19	13	16	9	16	20
ABPHYX, - BED CLOTHES	12	12	8	9	3	6	9	6	6	9	5
ALCOHOLISM	2	-	2	5	9	8	5	4	7	5	6
POISON	1	1	3	3	-	-	-	4	4	5	4
CRUSHING	7	3	6	8	2	2	7	7	6	-	-
CONFLAGRATION	10	18	8	11	9	9	4	3	13	1	10
DROWNING	18	7	5	4	5	13	11	3	10	9	12
ELECTROCUTION	-	-	3	1	2	1	1	1	2	-	3
ELEVATOR	-	-	-	1	1	-	-	1	1	1	-
HEAT EXHAUSTION	8	1	1	1	7	4	1	3	2	2	5
ILLUMINATING GAS	14	17	13	23	26	23	16	6	13	4	18
RAILROAD	2	5	2	5	5	6	12	2	7	1	5
TROLLEY	-	-	-	1	-	3	-	-	-	-	-
US PLANE CRASH	-	2	-	-	-	-	-	-	-	-	-
MISCELLANEOUS	9	12	15	22	18	33	17	10	22	19	17

INFANT MORTALITY (28.3 - THE LOWEST EVER)

AN OUTSTANDING RECORD FOR 1948 WAS OUR INFANT MORTALITY RATE OF 28.3

DEATHS UNDER ONE YEAR OF AGE PER 1000 LIVING BIRTHS. TO ILLUSTRATE THE REDUCTION IN INFANT MORTALITY, SINCE CHILD HYGIENE WORK STARTED SOME 30 YEARS AGO, THE RATE AT THAT TIME WAS OVER 90, AND THE GOAL WHICH WAS ONLY HOPE FOR, WAS 50. IF THE RATE OF 90 HAD CONTINUED, WE WOULD HAVE HAD 200 INFANT DEATHS IN 1948 INSTEAD OF 388. AN EVEN BETTER MEASUREMENT OF INFANT HYGIENE WORK IS WHAT MIGHT BE CALLED A POST-NATAL MORTALITY RATE, OR THE DEATHS OVER ONE MONTH, BUT UNDER ONE YEAR OF AGE. THE MAJOR PROPORTION OF DEATHS UNDER ONE, OCCUR IN THE FIRST MONTH, AND IN FACT THE FIRST WEEK AFTER BIRTH AND ARE DUE TO CONDITIONS AT BIRTH. IN 1948, OF THE 388 DEATHS UNDER ONE YEAR, 309 DIED THE FIRST MONTH, AND 262 OF THESE IN THE FIRST WEEK. INCIDENTALLY, 315 INFANT DEATHS WERE DUE TO CONGENITAL DEBILITY AND CONDITIONS AT BIRTH. INFANT HYGIENE WORK CAN DO PRACTICALLY NOTHING TO PREVENT THOSE DEATHS. THE POST-NATAL RATE (OVER A MONTH, UNDER ONE YEAR) WAS 5.8 PER 1000 LIVING BIRTHS, THE LOWEST EVER RECORDED, A REDUCTION OF 90% IN THAT RATE FROM 30 YEARS AGO.

BIRTH STATISTICS

BIRTH RATE - 30.8

THERE WERE 13,703 BIRTHS IN NEWARK IN 1948, OR A RATE OF 30.8 PER 1000 POPULATION. THIS RATE APPARENTLY REACHED ITS PEAK IN 1947. DROPPING TO THE LOWEST EVER RECORDED OF 5.8 IN 1935, IT RAPIDLY AND STEADILY INCREASED TO THE RECORD HIGH OF 47.0 BIRTHS AND A RATE OF 33.1 IN 1947. THE FOLLOWING TABLE SHOWS THE TREND IN OUR BIRTH RATE AND IT IS PARTICULARLY INTERESTING TO NOTE THAT 98% OF BABIES ARE NOW DELIVERED IN HOSPITALS, 1% BY PHYSICIANS AT HOME AND LESS THAN 1% DELIVERED BY MIDWIVES.

1948	TOTAL BIRTHS	13,703	WHITE	11,452	STILLBIRTHS	706
BIRTHS DATA	MALES	7,014	COLORED	2,245	ILLEGITIMATE	465
	FEMALES	6,689	YELLOW	26		

YEAR	TOTAL BIRTHS	BIRTH RATE	PHYSICIAN DEL. AT HOME	HOSPITAL DELIV.	MIDWIFE DEL. HOME
1948	13,703	30.8	223	13,434	46
1947	14,710	33.1	211	14,419	80
1946	13,427	30.3	225	13,094	108
1945	11,254	25.4	273	10,867	114
1944	10,792	24.5	330	10,306	156
1943	11,856	26.9	432	11,230	194
1942	12,016	28.0	376	11,479	161
1941	9,765	22.8	325	9,282	158
1940	8,538	19.9	401	7,952	185
1939	7,950	17.3	401	7,313	234
1938	7,936	17.3	546	7,106	283
1937	7,659	16.7	609	6,682	374
1936	7,236	15.8	778	6,025	433
1935	7,638	16.8	1,047	6,076	515

NEGRO HEALTH STATISTICS

THE ESTIMATED NEGRO POPULATION OF NEWARK IS 50,000 OR APPROXIMATELY 1% OF THE TOTAL. ALTHOUGH THE VARIOUS MORTALITY RATES IN THIS GROUP ARE RATHER HIGH, THE NATURAL RESULT OF ECONOMIC, EDUCATIONAL AND HOUSING HANDICAPS. A STUDY OF THE VARIOUS RATES FOR THE PAST 11 YEARS IS RATHER ENCOURAGING. THE TUBERCULOSIS RATE, FOR EXAMPLE, HAS DECREASED FROM 388 THE 11 YEARS AGO, TO 206 IN 1948, A REDUCTION OF 50%, AND INFANT MORTALITY IN THOSE FEW YEARS HAS FALLEN FROM 89.5 TO 55.3 PER 1000 LIVING BIRTHS, OR A REDUCTION OF APPROXIMATELY 35%. IT IS ENCOURAGING TO NOTE THAT ONLY 2 PUERPERAL SEPTICEMIA DEATHS HAVE OCCURRED IN THE PAST SEVEN YEARS AMONG 10,892 BIRTHS AND ONLY THREE PUERPERAL DEATHS OF ANY TYPE IN TWO FULL YEARS WITH 4,189 NEGRO BIRTHS OR A MATERNAL MORTALITY RATE OF 0.5 PER 1000 DELIVERIES FOR THE TWO YEARS. DEATHS FROM ALL CAUSES NUMBERED 805 OR 6.1 PER 1000, A SLIGHT INCREASE OVER THE RECORD LOW OF 1946 AND 1947.

NEGRO BIRTHS TOTALLED 2,225 OR A RATE OF 44.5 PER 1000 POPULATION, THE HIGHEST RATE EVER RECORDED. IT IS QUITE POSSIBLE THAT OUR ESTIMATE OF 50,000 BASED ON A REASONABLE INCREASE SINCE THE 1930 CENSUS MAY STILL BE LOW. IN THAT CASE, REDUCTION IN MORTALITY RATES WOULD BE GREATER THAN AS SHOWN BELOW.

NEGRO HEALTH STATISTICS

YEAR	DEATHS	DEATH RATE	BIRTHS	BIRTH RATE	T.B. DEATHS	T.B. RATE	INFANT DEATHS	INFANT RATE	MATERNAL SEPT.	OTHER TOTAL	RATE PER M. DEL.
1936	789	18.8	883	21.0	163	388.1	79	89.5	2	8	9.1
1937	618	14.4	846	19.7	112	360.5	52	61.6	3	5	6.0
1938	690	16.0	997	23.2	131	304.7	62	62.2	1	4	4.0
1939	630	14.3	965	21.9	117	365.9	72	74.6	1	8	8.3
1940	695	15.4	1043	23.2	138	306.6	74	70.9	1	10	10.0
1941	662	14.7	1070	23.8	119	264.4	67	62.6	2	5	5.0
1942	721	16.0	1247	27.5	125	277.7	69	54.5	0	1	1.0
1943	729	15.2	1242	25.9	117	243.9	74	59.5	1	4	3.0
1944	679	14.1	1326	27.6	119	247.8	76	57.3	0	2	1.6
1945	739	14.8	1393	27.9	115	230.0	77	55.3	1	3	2.1
1946	678	13.6	1595	31.9	122	244.0	87	54.5	1	5	3.1
1947	754	15.1	1964	37.3	120	240.0	107	54.0	0	1	0.5
1948	805	16.1	2225	44.5	103	206.0	123	55.3	0	2	0.9

CONTAGIOUS DISEASE PREVALENCE

THERE WAS NO SERIOUS PREVALENCE OF MAJOR CHILDHOOD CONTAGIOUS DURING THE YEAR, AS ILLUSTRATED IN THE FOLLOWING TABLE, IT INCLUDES PNEUMONIA, ALTHOUGH IT IS NOT LIMITED TO CHILDREN, AS IT HAS ALWAYS BEEN PARTICULARLY FATAL AMONG INFANTS, IN FACT THE MAJOR CAUSE OF INFANT MORTALITY TODAY. THE HIGHEST PREVALENCE WAS IN MEASLES WITH 6,247, COMPARED WITH THE NORMAL OF 4,75, WHICH IS EXPLAINED BY THE FACT THAT WE HAD AN EXTREMELY LOW MEASLES PREVALENCE (154 CASES) THE PREVIOUS YEAR. THE PREVALENCE OF MUMPS AND CHICKENPOX IS ALSO PROBABLY DUE TO THE TWO-YEAR CYCLE FOR MOST MINOR CHILDHOOD DISEASES.

DISEASE	1948		1-YEAR NORMAL	
	CASES	DEATHS	CASES	DEATHS
PNEUMONIA (ALL FORMS) - - - - -	1081	133	1411	231
DIPHTHERIA - - - - -	5	0	2	0
SCARLET FEVER - - - - -	345	0	604	1
EPIDEMIC MENINGITIS - - - - -	10	2	21	3
WHOOPING COUGH - - - - -	288	0	1089	1
INFANTILE PARALYSIS - - - - -	31	2	18	2
THE MOST PREVALENT OF THE MINOR NON-FATAL CHILDHOOD DISEASES WERE:				
MEASLES - - - - -	6247		4195	
CHICKENPOX - - - - -	5059		3428	
MUMPS - - - - -	2760		1389	
GERMAN MEASLES - - - - -	293		293	

THERE WAS ONLY ONE DEATH FROM ALL OF THESE MINOR CONTAGIOUS DISEASE CASES.

EXECUTIVE DIVISION

ROBERT F. MORGAN, ASST. HEALTH OFFICER

THE EXECUTIVE DIVISION PROVIDES THE GENERAL ADMINISTRATIVE FUNCTIONS OF THE DEPARTMENT FOR THE HEALTH OFFICER. THIS INCLUDES ACCOUNTING & VITAL STATISTICS, PUBLICITY AND HEALTH EDUCATION; PERSONNEL RECORDS AND ASSIGNMENT, CLEANING AND MAINTENANCE; PRINTING AND MULTIGRAPHING, MONTHLY AND ANNUAL REPORTS AND PAROCHIAL SCHOOL MEDICAL INSPECTION.

PAROCHIAL SCHOOL MEDICAL INSPECTION

ANN REILLY, R.N., SUPERVISING NURSE

MEDICAL INSPECTION AND HEALTH EDUCATION OF SCHOOL CHILDREN IS SUPPLIED IN THE PUBLIC SCHOOLS BY THE BOARD OF EDUCATION. THIS VITAL WORK FOR 13,439 PAROCHIAL SCHOOL CHILDREN IN 30 SCHOOLS, IS PROVIDED BY OUR DEPARTMENT WITH A SUPERVISING AND AN ASST. SUPERVISING NURSE AND 14 SCHOOL NURSES. THEY ARE AIDED BY THE PHYSICIANS OF OUR VARIOUS DIVISIONS, THE DEPARTMENT SOCIAL WORKER, DENTIST AND OPTICISTS, AND THE CHILDREN'S AGENCIES. PHYSICIANS ROUTINELY EXAMINE ALL CHILDREN IN 1ST GRADE, 4TH GRADE AND 8TH GRADE. NOTE 100% DIPHTHERIA IMMUNIZATION.

SUMMARY OF WORK

	DEFECTS	CURES		
TEETH - - - - -	6690	3402	MENTAL BEHAVIOR - - - - -	10
NOSE & THROAT - - - - -	2197	1399	EXCLUSIONS (VARIOUS CONDITIONS) - - - - -	1405
EYE & EAR - - - - -	1732	1465	VACCINATIONS - - - - -	133
VERMIN & UNCLEAN - - - - -	2628	2249	SCHOOL TREATMENTS - - - - -	28704
SKIN - - - - -	5565	4713	CLASS INSPECTION & TALKS - - - - -	6339
			RE-INSPECTIONS - - - - -	34874
			PHYSICAL EXAM. NURSE - - - - -	17855
			" DOCTOR - - - - -	8321
			GENERAL HOME CALLS - - - - -	379
			IMMUNIZED AGAINST DIPHTHERIA - - - - -	100%

BUREAU OF VISUAL HEALTH EDUCATION

PETER COVEN, SUPERVISOR

HEALTH EDUCATION HAS BEEN AIDED THROUGH THE MEDIUM OF MOTION PICTURES AND EXHIBITS OF WHICH THERE WERE 75 SHOWINGS DURING 1948 TO APPROXIMATELY 16,000 PERSONS. THE ACTIVITIES OF THE HEALTH DEPARTMENT ARE FREQUENTLY PORTRAYED THROUGH THE USE OF KODACHROME SLIDES WHICH VISUALIZE THE SPEAKER'S WORDS. THE GROUPS CONTACTED INCLUDED INDUSTRIAL WORKERS, CLUB MEN AND WOMEN, CIVIC AND SERVICE CLUBS, FRATERNAL ORGANIZATIONS, VETERAN ORGANIZATIONS, HOSPITAL STAFFS, FOOD HANDLERS, YOUTH LEADERS, UNION ORGANIZATIONS, PAROCHIAL SCHOOL CHILDREN, HOUSING PROJECT TENANTS, PARENT-TEACHER UNITS, ETC.

LEGAL WORK

MILTON GOODMAN, SANITARY INSPECTOR

HANDLING OF COURT CASES IS GREATLY AIDED BY THE SERVICES OF AN INSPECTOR WHO IS A QUALIFIED LAWYER. HE NOT ONLY COOPERATES WITH THE CITY LAW DEPARTMENT WHICH OFFICIALLY HANDLES ALL CITY WORK, BUT IS PRESENT AT ALL DIVISIONAL HEARINGS. EACH DIVISIONAL HEARING HOLDS WEEKLY HEARINGS BEFORE THE HEALTH OFFICER. CASES ARE DISCUSSED AND DISPOSITION MADE BY THE HEALTH OFFICER. CASE REFERRED FOR COURT ACTION ARE GREATLY REDUCED BY THIS ARRANGEMENT. DURING 1948, ONLY 64 CASES WERE TAKEN TO COURT. IN ADDITION TO SECURING ABATEMENTS IN THESE CASES, \$1440.00 IN PENALTIES WERE IMPOSED AGAINST VIOLATORS.

MAINTENANCE

FRANK LAWSON, CUSTODIAN

CLEANING AND MAINTENANCE IS PROVIDED FOR THE MAIN BUILDING AND THREE NEARBY ANNEXES, AS WELL AS 14 OUTSIDE CLINICS USED FOR BABY-KEEP-HELL STATIONS, TUBERCULOSIS EXAMINATIONS, PRE-NATAL CLINICS AND DENTAL CLINICS.

FINANCE - VITAL STATISTICS

FRANK SHEA, ACCOUNTANT
CORRINE KIMBALL, STATISTICAL CLERK

IMMEDIATELY FOLLOWING ARE THE FINANCIAL STATEMENT AND THE VITAL STATISTICS TABLES OF MAJOR PUBLIC HEALTH INTEREST.

F I N A N C I A L S T A T E M E N T - 1948

DISBURSEMENTS

PERSONAL SERVICE - SALARIES	\$1,216,890.00
OTHER THAN PERSONAL SERVICE -	
FURNITURE, NEW AUTO, PRINTING EQUIPMENT	\$ 9,138.00
DRUGS AND SURGICAL SUPPLIES	33,000.00
RENTS, TAXES, ANNEXES, BABY STATIONS	17,060.00
POSTAGE, POST CARDS, STAMPED ENVELOPES	6,915.00
TELEPHONE SWITCHBOARD SERVICES	6,400.00
COAL, LIGHT AND HEAT	5,922.00
STATIONERY AND PRINTING	5,900.00
LAUNDRY SERVICES	4,800.00
HOME DOCTOR VISITS - INDIGENT	13,600.00
JANITOR SUPPLIES	2,000.00
LABORATORY AND SURGICAL APPARATUS	1,000.00
AUTOMOBILE AND MOTORCYCLE SUPPLIES	4,000.00
HOME SICK VISITS - NURSES (VNA)	1,800.00
MASS CHEST X-RAY PROJECT	1,346.00
LINENS AND UNIFORMS	2,300.00
RENTAL OF BUSINESS MACHINES	642.00
INSURANCE	2,200.00
MILK AND FOOD SAMPLES	660.00
SCORING DAIRY EXPENSE	340.00
LICENSE PLATES AND TAGS	300.00
TOTAL	<u>119,323.00</u>
	\$1,336,213.00

DISBURSEMENTS BY DIVISIONS

	SALARIES	SUPPLIES
EXECUTIVE	\$ 74,400.00	\$ 26,063.00
SANITARY	94,250.00	6,891.00
INDUSTRIAL HYGIENE	53,825.00	230.00
OCCUPATIONAL	41,868.00	=
CONTAGIOUS	88,950.00	2,050.00
PLUMBING	36,500.00	565.00
PAROCHIAL	53,300.00	180.00
FOOD & DRUG	110,200.00	2,300.00
TUBERCULOSIS	57,861.00	1,930.00
VETERINARY	59,000.00	220.00
VENEREAL	111,500.00	8,100.00
DISPENSARY	253,000.00	55,514.00
LABORATORY	53,236.00	3,600.00
CHILD HYGIENE	<u>29,000.00</u>	<u>1,680.00</u>
TOTAL	\$ 216,450.00	\$ 119,323.00

RECEIPTS PERMITS

ANIMAL	\$ 1.00
" CHICKEN	257.00
" CHICKEN SLAUGHTERHOUSE	820.00
" PLUMBING	3,706.50
LICENSES ICE	535.00
" MILK	4,948.50
" PLUMBING	2,780.00
" REFUSE	78.00
" LIVE POULTRY	90.00
FEES REAL ESTATE SANITARY INSPECTION	10.00
" PLUMBERS EXAMINATION	1,050.00
" BACTERIOLOGICAL EXAMINATION	323.50
" OUT-OF-TOWN TREATMENTS - CLINICS	15.00
" OUT-OF-TOWN LABORATORY TESTS	4,299.00
MISC. CASH SALES PRESCRIPTION BOTTLES	227.30
" CASH SALE POSTAGE STAMPS & PHONE CALLS	84.15
" CASH SALE DAIRY SCORE PADS, OLD FILM, ETC.	46.00
" CASH SALE KEROSENE OIL	<u>5,17.15</u>

DEPOSITED WITH CITY COMPTROLLER AS MISCELLANEOUS REVENUE . . . \$ 25,495.10

FEES RECEIVED FROM MILK PRODUCERS CREDITED TO "DAIRY INSPECTION ACCOUNT",
USED FOR TRAVEL AND OTHER EXPENSE IN SUPERVISING OUR MILK SUPPLY . . . \$ 12,156.92

INTERESTING HEALTH TRENDS 1918-1948

YEAR	DEATHS UNDER 1 YR.	INFANT MORTAL- ITY **	BIRTHS	BIRTH RATE	DIARR. DEATHS UND 5	T. B. DEATHS	T. B. DEATH RATE	DIPHTH- THERIA DEATHS	TYPHOID DEATHS	BRITTS DIS. OTHS	ORG. HRT. OTHS
1918	1215	104.7	1575	27.0	331	720	105.6	82	5	619	633
1919	862	76.2	11297	25.7	295	637	144.8	50	9	504	529
1920	994	84.7	11734	28.3	244	540	130.4	62	8	507	492
1921	837	71.5	11705	27.5	210	446	104.9	44	12	417	510
1922	875	74.8	10993	25.4	67	428	99.1	73	12	346	640
1923	756	68.0	11110	25.3	133	406	92.5	34	11	340	727
1924	746	65.2	1449	25.7	132	392	87.9	39	2	399	729
1925	746	68.7	10852	24.0	129	370	83.4	42	5	343	850
1926	753	71.9	10460	22.7	120	421	91.5	2	7	331	948
1927	634	63.3	10010	21.5	82	387	82.9	62	6	266	1019
1928	626	63.8	9802	20.7	78	412	86.9	95	5	298	1002
1929	594	59.6	9975	20.7	52	441	80.8	96	5	258	1047
1930	512	52.3	9784	22.2	45	445	101.0	48	1	244	1005
1931	491	52.3	9506	21.4	36	412	92.4	16	2	224	980
1932	371	42.3	8746	19.4	16	360	83.0	2	4	242	958
1933	356	45.1	7897	17.6	10	388	85.8	1	2	228	1091
1934	342	45.2	7565	16.7	23	317	69.8	1	1	227	1082
1935	417	54.6	7638	16.8	24	316	69.4	1	0	201	1118
1936	332	45.9	7236	15.8	16	346	75.7	0	1	214	1162
1937	287	37.6	7659	16.7	32	301	65.8	1	0	168	1158
1938	310	39.1	7936	17.3	12	287	62.7	1	2	149	1201
1939	303	38.1	7950	17.3	20	277	60.3	1	4	154	1240
1940	300	35.1	8538	19.9	14	309	71.9	0	0	124	1360
1941	318	32.6	9765	22.8	13	274	63.9	0	0	222	1530
1942	352	29.3	12016	28.0	12	280	66.1	0	0	223	1756
1943	367	30.9	11856	26.9	15	294	66.8	1	0	276	1975
1944	375	34.7	10792	24.5	23	257	58.4	0	0	271	1744
1945	390	34.7	11254	25.4	10	247	55.8	0	2	274	1764
1946	416	30.9	13427	30.3	9	261	59.0	0	0	245	1663
1947	429	29.2	14710	33.1	13	259	58.2	0	0	281	1724
1948	388	28.3	13703	30.8	2	232	52.1	0	0	276	1804

** FOR NEO NATAL MORTALITY SEE "OTHER MORTALITY TRENDS"

OTHER MORTALITY TRENDS SINCE 1894

YEAR	POPULATION	CRUDE DEATHS	CRUDE DEATH RATE PER 1,000	RATES PER 100,000			INFANT MORTALITY RATE		
				SCARLET FEVER	TYPHOID	DIPHTHERIA	UNDER 1 MO.	1 - 12 MONTHS	UNDER 1 YR.
1894	203,923	4,543	22.28	33.8	16.7	-			
1895	215,725	4,615	21.37	16.2	23.2	21.6			
1896	225,000	4,716	20.96	7.6	20.9	36.9			
1897	230,000	4,010	7.43	23.5	14.3	59.0			
1898	235,000	4,301	8.30	6.4	17.4	56.6			
1899	240,000	3,537	18.90	14.2	25.0	5.7			
1900	246,070	5,006	20.34	22.4	20.3	58.1			
1901	250,000	4,806	9.22	9.2	22.8	4.2			
1902	255,000	4,943	19.38	8.0	18.4	41.2			
1903	264,000	4,923	18.50	26.7	23.7	45.1			
1904	272,000	5,378	19.77	44.1	14.7	55.			
1905	283,239	5,025	7.74	15.9	14.1	38.8			
1906	290,000	5,551	9.14	11.7	7.2	34.1			
1907	300,000	5,724	19.08	13.7	23.0	31.7			
1908	305,000	5,207	17.07	23.2	1.5	21.6			
1909	311,000	5,529	17.77	22.5	12.5	38.8			
1910	347,409	5,764	16.64	1.2	12.7	29.9			
1911	352,000	5,337	15.16	6.0	10.5	2.0			
1912	370,000	5,423	4.65	3.0	7.0	24.6			
1913	380,000	5,562	4.63	6.9	7.9	28.0	38.8	54.2	93.0
1914	395,000	5,809	4.70	6.8	6.6	10.4	34.9	59.9	96.8
1915	375,000	5,362	4.30	1.6	2.9	13.1	36.4	48.9	85.3
1916	385,010	6,157	16.50	1.8	6.0	14.8	38.0	51.6	89.6
1917	405,000	6,205	15.30	0.7	4.2	12.3	38.9	48.9	87.8
1918	430,000	8,483	19.72	2.6	3.5	9.1	39.3	65.4	104.7
1919	440,000	5,534	2.57	2.7	2.0	11.3	33.1	43.1	76.2
1920	414,216	5,551	3.40	2.9	1.9	14.9	38.7	46.0	84.7
1921	425,000	4,774	1.24	5.9	2.8	0.4	36.4	35.1	71.5
1922	432,000	5,209	12.06	3.5	2.8	16.9	35.3	39.5	74.8
1923	439,000	5,221	11.67	1.1	2.5	7.7	36.0	32.0	68.0
1924	446,000	5,004	.22	1.8	2.7	8.7	32.3	32.9	65.2
1925	453,000	5,310	11.67	2.0	1.1	9.3	30.3	38.4	68.7
1926	460,000	5,450	11.85	1.3	1.5	1.6	35.5	3.4	71.9
1927	467,000	5,086	10.90	2.6	1.3	13.3	34.8	28.5	63.3
1928	474,000	5,512	1.83	1.3	1.0	20.0	34.8	29.	63.9
1929	480,000	5,632	1.74	0.8	0.6	20.0	31.2	28.4	59.6
1930	440,000	5,239	11.92	0.7	0.2	0.9	27.9	24.2	52.1
1931	445,000	5,073	11.40	2.0	4.5	3.6	30.0	21.5	5.5
1932	450,000	4,682	10.40	0.7	0.9	0.5	25.5	6.7	42.2
1933	452,000	4,330	0.91	0.9	0.5	0.2	24.8	20.3	45.1
1934	454,000	4,764	0.49	0.4	0.2	0.2	27.2	18.0	45.2
1935	455,000	4,994	10.56	0.2	0.0	0.2	32.9	2.7	54.6
1936	457,000	5.33	11.18	1.5	0.2	NONE	27.5	8.4	45.9
1937	458,000	5,061	11.00	0.2	0.0	0.2	2.8	15.7	37.5
1938	458,000	4,970	10.85	0.2	0.4	0.2	24.6	14.5	39.1
1939	459,000	4,855	10.58	0.9	0.9	0.2	24.3	13.8	38.1
1940	429,000	5,025	11.71	NONE	NONE	NONE	24.7	10.4	35.
1941	429,000	5,127	11.62	NONE	NONE	NONE	23.2	9.4	32.6
1942	429,000	5,256	.86	0.2	NONE	NONE	2.9	7.4	29.3
1943	440,000	5,702	2.55	0.2	NONE	0.2	2.5	9.4	30.9
1944	440,000	5.20	11.48	0.2	NONE	NONE	25.0	9.7	34.7
1945	441,000	5,292	.60	0.2	0.4	NONE	22.7	12.0	34.7
1946	443,000	4,937	1.14	NONE	NONE	NONE	23.8	7.2	31.0
1947	445,000	5,097	1.54	NONE	NONE	NONE	22.5	6.7	29.2
1948	445,000	5,087	11.43	NONE	NONE	NONE	22.5	5.8	28.3

TOTAL DEATHS BY AGE GROUPS 1918-1949

YEAR	TOTAL DEATHS	UNDER 1 YR.	AND UND 2	2 AND UND 5	TOTAL UND 5	5-14	15-24	25-44	45-64	65 & OVER
1918	8484	125	433	434	2082	314	780	2308	1754	1215
1919	5534	862	190	106	1238	249	345	1204	1376	1122
1920	5551	994	253	192	1439	220	327	1041	1379	1145
1921	4776	837	36	134	1107	194	248	90	256	861
1922	5209	822	198	166	1186	232	268	925	1414	1184
1923	5221	756	163	136	1055	96	305	872	1503	1290
1924	5111	746	130	139	1015	199	268	975	1470	1184
1925	5447	746	132	144	1022	206	273	1008	1640	1284
1926	5606	753	167	158	1098	156	277	1015	1618	1442
1927	5296	636	109	112	857	210	277	974	1724	1254
1928	5735	626	156	186	968	245	304	1002	1794	1422
1929	5857	594	104	152	850	192	308	1162	1768	1577
1930	5447	512	83	119	714	188	327	1037	1788	1393
1931	5306	490	64	98	652	172	252	1025	1747	1458
1932	4850	371	41	73	485	128	228	890	1677	1442
1933	5128	356	68	96	520	141	215	914	1775	1563
1934	4921	342	54	54	450	117	192	824	1779	1559
1935	4996	417	46	60	523	117	190	864	1788	1514
1936	5331	332	45	45	422	116	208	861	1892	1832
1937	5256	287	51	61	400	115	202	812	1877	1850
1938	5116	310	29	45	384	86	179	751	1845	1871
1939	5005	303	23	24	350	97	168	704	1777	1909
1940	5207	300	26	33	359	55	168	703	1934	1988
1941	5127	318	38	34	382	62	138	639	1948	1958
1942	5256	352	25	36	413	50	151	682	1935	2025
1943	5702	367	24	44	435	66	148	660	2074	2313
1944	5201	375	24	29	428	67	113	618	1904	2071
1945	5292	390	24	31	445	75	124	564	1933	2151
1946	5078	416	14	31	461	51	112	561	1810	2083
1947	5238	429	24	33	486	32	98	591	1898	2153
1948	5222	348	22	21	431	29	73	502	1949	2237

"TOTAL DEATHS" INCLUDES ALL DEATHS IN NEWARK BOTH RESIDENT AND NON-RESIDENT AS WELL AS DEATHS OF NEWARKERS AT SOMO AND VERONA.

DEATHS AND DEATH RATES BY CAUSE AND COLOR 1947-1948

	TOTAL				NEGRO			
	1948		1947		1948		1947	
	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS
INFANTILE PARALYSIS	0.4	2	-	-	-	-	-	-
TETANUS	0.2	-	-	-	2.0	1	-	-
DIPHTHERIA	0.2	-	-	-	2.0	-	-	-
ERYSIPELAS	0.2	1	-	-	-	-	-	-
MEASLES	0.2	1	-	-	-	-	-	-
CARLETON FEVER	-	-	-	-	-	-	-	-
HINDING COUGH	-	-	0.2	-	-	-	-	-
SCARLET FEVER	-	-	-	-	-	-	-	-
INFLUENZA	0.8	4	0.8	4	-	-	-	-
EPIDEM. MENING. (CER. SPIN.)	1.2	4	0.6	3	2.0	-	-	-
OTHER EPIDEMIC DISEASES	-	-	0.4	2	-	-	-	-
TUBERCULOSIS OF LUNGS	48.0	24	53.7	239	82.0	71	212.0	166
TUBERCULOSIS MENINGITIS	0.6	0	1.8	8	8.0	4	12.0	6
OTHER TUBERCULOSIS	2.2	10	2.4	12	8.0	8	16.0	8
CANCER - MALIGN. TUMOR	75.3	780	75.5	781	67.0	80	164.0	82
SIMPLE MENINGITIS	1.8	8	2.0	9	8.0	4	2.0	1
SOFT. OF BRAIN - APOPLEXY	09.0	45	111.5	490	114.0	67	20.0	56
ORGANIC HEART DISEASE	405.6	1804	347.4	1724	370.0	185	285.0	143
BRONCHITIS	2.2	10	2.0	9	2.0	-	4.0	2
PNEUMONIA - LOBAR	12.3	55	15.9	71	220.0	11	30.0	15
PNEUMONIA - BRONCHO	17.5	78	20.0	89	42.0	21	30.0	15
OTHER RESP. DISEASES	23.1	103	24.9	-	24.0	12	28.0	14
STOMACH (CANCER EXCEPTED)	7.4	33	5.6	25	10.0	5	10.0	5
DIARRHOEA (UNDER 5 YEARS)	0.4	2	2.9	13	2.0	-	4.0	2
APPENDICITIS & TYPHILITIS	1.6	7	2.5	1	4.0	2	4.0	2
HEPATIC, INT. OBSTRUCTION	4.9	36	8.7	39	22.0	11	18.0	9
CARCINOMA OF LIVER	7.3	77	12.3	55	6.0	8	2.0	1
BRIGHT'S DIS. & NEPHRITIS	62.0	276	63.1	281	85.0	42	102.0	51
DIS. OF WOMEN (NOT CANCER)	0.8	4	-	5	6.0	3	6.0	3
PUERPERAL SEPTICAEMIA	-	-	0.2	1	-	-	-	-
OTHER PUERPERAL DISEASES	2.2	10	2.5	11	4.0	2	-	-
CONG. DEBILITY & WOLF.	71.2	317	75.7	337	188.0	74	162.0	81
OLD AGED	3.4	17	4.3	19	2.0	1	2.0	1
ACCIDENT	47.6	22	44.9	290	78.0	39	80.0	40
HOMICIDE	0.5	29	5.2	23	32.0	16	32.0	16
SUICIDE	2.1	54	11.4	51	6.0	3	4.0	2
ILL DEFINED	9.9	44	14.1	63	12.0	6	28.0	14
ALL OTHER CAUSES	21.4	536	22.0	53	70.0	85	158.0	79

DEATHS - CENT. INCREASES IN AGE GROUPS - 1948

CAUSES OF DEATH	TOTAL DEATHS	UNDER 5 DEATHS	5 TO 24	25 TO 44	45 TO 64	65 & OVER
		%	%	%	%	%
TOTALS	5222	432	102	502	1909	2237
MEASLES	1	100.0				
WHOOPING COUGH	0					
DIARRHOEAL DIS.	2	100.0				
EARLY INFANCY	317	100.0				
INFLUENZA	4	25.0				
PNEUMONIA	133	21.7	3	14	10	47
BRONCHITIS	10	10.0				
PULMONARY T.B.	214		9	70	97	28
BRIGHT'S DIS.	276	0.7	5	35	101	133
CANCER	780	0.1	6	63	402	308
APOPLEXY	485		1	24	40	280
ORG. HT. DIS.	1804	0.3	13	96	707	943
ACCIDENTS	212	9.0	17	31	143	82

DEATHS BY SPECIAL CAUSES - 1938 - 1948

	1938	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938
TOTAL -- ALL CAUSES	5222	5298	5078	5292	5201	5702	5256	5127	5277	5075	5146
INFANTILE PARALYSIS	2	-	4	7	3	-	2	3	-	-	-
TYPHOID FEVER	-	-	-	2	-	-	-	-	-	4	2
ERYSIPELAS	1	-	-	-	-	-	-	-	-	-	-
MEASLES	1	-	2	-	1	1	4	1	5	-	-
TETANUS	2	-	-	-	-	-	-	-	-	-	-
SCARLET FEVER	-	-	-	1	1	1	1	-	-	4	1
MUMPS	1	-	-	-	-	-	-	-	-	-	-
DIPHTHERIA	-	-	-	-	-	1	-	-	1	1	1
WHOOPING COUGH	-	1	1	1	-	2	3	4	1	6	6
INFLUENZA	4	4	4	7	12	23	5	19	8	10	17
EPIDEM. MENING. (GRSP)	2	3	7	11	17	27	5	1	1	1	2
OTHER EPIDEMIC DIS.	-	2	2	-	-	-	-	-	-	-	1
T. B. OF LUNGS	214	239	229	225	237	266	261	235	277	252	253
T. B. MENINGITIS	8	8	13	11	4	7	11	13	11	4	9
OTHER TUBERCULOSIS	10	12	19	11	16	21	16	26	21	13	25
CANCER & MALIGN. TUMOR	780	781	735	708	708	655	601	660	636	631	630
SIMPLE MENING. T. S.	8	9	3	15	22	17	25	3	4	16	20
APEND. EX-TOFT.-BRAN	485	498	463	486	42	43	425	4	440	383	347
ORGANIC HEART DIS.	1804	1724	1663	1764	1744	1975	1756	1530	1360	240	120
PRONCH. T. S.	0	9	10	6	8	5	-	5	-	9	8
LOBAR PNEUMONIA	55	71	93	105	114	166	144	125	91	130	189
BRONCHO PNEUMONIA	78	89	96	111	120	162	102	119	103	01	123
OTHER RESPIRATORY DIS.	103	111	113	81	68	134	84	167	142	24	92
DISEASES OF STOMACH	33	25	19	32	34	48	34	30	31	39	43
D. ARRHOEA (UNDER 5)	2	13	3	10	23	15	12	13	14	20	12
APPENDIC. & TYPHILITIS	7	11	19	29	25	31	34	45	68	61	82
HEPATA & INTEST. DIST.	36	39	36	44	62	75	67	50	53	57	51
CIRRHOSIS OF LIVER	27	55	51	43	48	40	34	47	37	36	42
ERY. S. C. S. & NEPHRITIS	276	28	245	274	271	276	223	222	224	54	149
DIS. OF WOMEN (NOT CANCER)	4	5	7	7	7	7	10	4	19	11	11
PURPERAL SEPTICAEMIA	-	1	2	4	-	4	2	5	2	5	4
OTHER PURPERAL DISEASES	12	11	14	14	9	14	20	21	27	25	19
CONG. DEF. & MALF.	317	337	331	285	278	257	262	243	225	203	213
OLD AGE	17	19	13	18	29	46	30	43	28	36	43
ACCIDENTS	212	200	234	271	270	304	271	235	258	226	268
HOM. CIDES	29	23	28	13	18	22	22	9	2	23	21
SUICIDES	54	51	42	47	42	55	66	56	82	50	66
ILL-DEFINED	44	63	54	79	32	30	42	51	50	39	39
ALL OTHER CAUSES	536	543	517	544	557	582	571	708	639	1083	1116
RATE PER 1000 POP.	11.4	11.5	11.1	11.6	11.5	12.6	11.9	11.6	11.7	10.6	10.9

T.B. RECORDS & STATISTICS - WHITE AND COLORED

YEAR	POPULA. (1000'S)		REPORTED CASES		DEATHS		MORBIDITY RATE		MORTALITY RATE			
	WHT	COL	WHT	COL	WHT	COL	TOTAL	WHT	COL	TOTAL	WHT	COL
1931	405	40	793	289	251	155	221.1	171.1	722.0	92.2	42.0	387.5
1932	410	40	532	245	195	165	174.4	129.7	612.6	80.0	47.6	422.5
1933	420	40	533	230	227	154	167.5	124.5	575.0	85.8	55.1	385.0
1934	414	40	447	217	186	124	147.6	107.9	542.5	69.0	44.9	310.0
1935	415	40	431	220	189	124	143.7	104.8	540.0	69.5	45.5	310.0
1936	415	42	429	213	182	163	141.1	105.7	507.1	75.7	43.6	308.0
1937	415	43	385	186	187	2	125.5	92.8	432.5	65.8	45.0	260.4
1938	415	43	395	203	54	3	13.0	95.2	472.0	42.6	37.1	104.6
1939	415	44	350	179	155	117	86.3	84.3	106.8	80.3	37.3	265.9
1940	384	45	400	185	69	138	36.6	104.2	111.1	71.9	44.0	306.4
1941	384	45	398	210	154	9	142.7	103.4	466.6	63.9	40.	264.4
1942	384	45	474	195	161	125	157.1	123.4	493.3	66.1	40.9	277.7
1943	392	48	464	231	177	117	160.2	118.3	481.2	66.8	45.	243.7
1944	392	48	371	207	135	119	132.7	94.6	431.2	58.4	34.4	247.9
1945	393	50	326	165	130	115	111.7	82.9	330.0	56.8	33.0	230.0
1946	393	50	362	121	138	22	129.8	92.	422.0	54.9	35.1	244.0
1947	395	50	307	220	138	120	118.9	91.6	440.0	58.2	34.9	240.0
1948	395	50	313	224	129	103	120.9	79.2	448.0	52.1	32.7	206.0

BIRTHS BY ATTENDANT AND PLACE OF DELIVERY 1917-1948

YEAR	TOTAL BIRTHS	NON-RESIDENT BIRTHS	HOSPITAL DELIVERIES	HOME DELIVERIES PHYSICIAN	MIDWIFE	NO ATTENDANT	% TOTAL BIRTHS DEL'D IN HOSP.
1917	11,850	301	1,956	4,195	5,696	3	16.5%
1918	11,601	487	-	-	5,358	0	-
1919	11,315	554	-	-	5,146	0	-
1920	11,734	-	-	-	4,722	0	-
1921	11,705	-	-	-	4,470	0	-
1922	10,993	883	-	-	3,754	0	-
1923	11,111	-	-	-	3,552	0	-
1924	11,449	-	-	-	3,251	0	-
1925	10,852	1,258	4,845	3,208	2,799	0	44.6%
1926	10,460	1,214	5,003	2,955	2,502	0	47.8%
1927	10,042	1,246	4,995	2,709	2,338	0	49.7%
1928	9,802	1,431	5,390	2,499	1,993	0	55.0%
1929	9,965	1,822	5,805	2,436	1,724	0	58.3%
1930	9,824	2,977	6,517	1,814	1,493	0	66.3%
1931	9,506	2,137	6,824	1,499	1,999	0	71.8%
1932	8,782	1,885	6,538	1,291	953	0	74.4%
1933	7,897	1,703	6,195	986	716	0	78.4%
1934	7,565	1,738	5,858	1,082	625	0	77.4%
1935	7,638	1,812	6,076	1,047	515	0	79.5%
1936	7,236	1,737	6,025	778	433	0	83.3%
1937	7,659	1,956	6,682	603	374	0	87.2%
1938	7,436	2,076	7,106	546	283	1	89.5%
1939	7,950	2,880	7,355	401	234	0	92.0%
1940	8,538	2,554	7,952	401	185	0	93.1%
1941	9,765	3,162	9,242	325	150	0	95.1%
1942	2,016	4,020	1,479	376	161	0	95.5%
1943	11,856	3,978	2,230	432	194	0	94.7%
1944	10,792	3,632	10,306	330	156	0	95.5%
1945	11,254	3,956	10,867	272	155	0	96.6%
1946	13,427	4,695	3,094	225	108	0	97.5%
1947	14,710	5,206	14,419	21	80	0	98.0%
1948	13,703	4,890	14,434	223	46	0	98.0%

INFANT MORTALITY BY COLOR

YEAR	WHITE INF. MORT. RATE	COL. INF. MORT. RATE	WHITE POST NEONATAL MORT. RATE *	COLORED POST NEONATAL MORT. RATE *	WHITE NEONATAL MORT. RATE	COL. NEONATAL MORT. RATE
1926	66.6	130.4	33.2	73.8	35.4	56.6
1927	54.7	140.5	25.1	59.9	29.6	80.6
1928	51.8	137.0	25.4	58.3	29.4	78.7
1929	49.8	138.7	23.2	70.3	26.6	68.4
1930	60.0	102.7	21.2	50.0	24.8	52.7
1931	46.3	95.5	21.8	45.8	24.5	49.7
1932	37.3	82.0	14.2	36.9	23.1	45.1
1933	39.1	91.1	17.2	42.8	21.9	48.3
1934	38.0	94.3	14.5	44.3	24.3	50.0
1935	53.7	84.8	18.6	45.9	32.1	38.9
1936	39.8	89.5	14.6	45.3	25.2	44.2
1937	34.5	61.5	12.9	37.8	21.6	23.6
1938	35.7	62.2	12.0	32.1	23.8	30.1
1939	36.7	74.8	18.4	32.2	18.3	42.6
1940	35.8	70.9	12.6	23.0	24.2	47.9
1941	28.5	62.6	7.5	21.5	21.1	41.1
1942	26.3	55.3	5.9	20.9	20.4	34.5
1943	27.6	59.6	6.9	31.4	20.7	28.3
1944	31.6	57.3	8.2	20.4	23.3	37.0
1945	31.7	54.6	10.5	20.8	21.2	33.7
1946	20.1	54.5	6.1	15.7	21.7	38.9
1947	25.3	54.5	5.9	11.7	19.4	42.8
1948	23.1	55.3	4.7	11.2	6.4	44.0

* OVER ONE MONTH BUT UNDER ONE YEAR.



DEATHS UNDER ONE YEAR BY CAUSE - 1918 - 1948

YEAR	MEASLES	EFON-CHITIS	PNEU-MONIA	HEIN-GITIS	DIA-RRHOEA	OTHER CONTAQ. DISEASES	ARLY INF. PRE-MATUR.	ALL CONG. DEB. OTHERS	TOTAL
1918	33	84	156	30	273	83	442	112	1213
1919	2	42	87	24	244	27	345	91	862
1920	16	57	143	19	191	66	402	100	994
1921	5	38	83	12	178	27	403	91	837
1922	14	44	128	11	153	22	352	98	822
1923	15	32	94	10	105	21	376	93	756
1924	4	38	106	17	115	24	356	86	746
1925	3	26	99	11	105	23	376	103	746
1926	17	18	142	5	102	16	383	70	753
1927	0	13	91	10	70	20	357	67	636
1928	11	8	97	12	68	19	356	55	626
1929	0	14	121	8	43	20	307	73	594
1930	4	9	95	10	33	10	278	75	512
1931	0	10	86	17	30	21	273	53	490
1932	0	2	67	5	13	12	232	40	371
1933	2	2	75	2	18	10	19	56	356
1934	0	2	52	5	23	2	221	37	342
1935	3	3	59	7	22	16	264	43	417
1936	0	5	51	10	13	9	202	42	332
1937	4	0	47	1	26	6	167	36	287
1938	0	3	40	3	19	10	211	33	310
1939	0	2	28	1	18	6	201	47	303
1940	0	1	26	4	14	0	223	32	300
1941	1	0	23	7	10	5	241	31	318
1942	2	1	41	3	8	2	260	35	352
1943	0	1	41	5	14	5	255	46	367
1944	0	1	43	8	23	3	275	22	375
1945	0	1	56	3	8	3	280	39	390
1946	0	0	44	3	3	4	330	32	416
1947	0	2	30	2	13	2	333	47	429
1948	0	0	26	1	2	1	315	43	388

BIRTHS & INFANT MORTALITY RATES BY WARDS - 1948

WARDS	TOTAL BIRTHS	TOTAL COLORED BIRTHS	% TOTAL BIRTHS COLORED	% MIDDIVES BIRTHS	% TOTAL BIRTHS DELIVERED BY MIDDIVES	TOTAL DEATHS UNDER 1 YEAR	INFANT MORTALITY RATES
1	465	66	14.2%	2	.4%	16	34.4
2	220	81	36.8%	1	.5%	9	40.9
3	802	678	83.5%	1	.1%	53	66.1
4	120	48	40.0%	0	-	3	25.0
5	279	40	14.3%	4	1.4%	7	25.1
6	423	114	27.0%	1	.2%	19	44.9
7	337	210	62.3%	0	-	9	26.7
8	927	68	7.3%	2	.2%	26	28.0
9	1269	160	12.6%	7	.6%	37	29.2
10	374	65	17.4%	2	.5%	11	29.4
11	609	74	12.2%	2	.3%	16	26.3
12	439	35	8.0%	5	1.1%	6	13.7
13	881	11	1.2%	4	.5%	18	20.4
14	623	250	40.1%	10	1.6%	28	44.9
15	304	106	34.9%	3	1.0%	9	29.6
16	741	88	11.9%	2	.3%	21	28.3
N.R.	4890	139	2.8%	0	-	57	19.8
TOTAL	13703	2225	16.2%	46	.3%	385	28.5
						13	
						388	

BIRTHS & DEATHS - BY WARD & COLOR 1949

	WARD	POPULATION	CRUDE		BIRTH RATE	DEATHS UNDER 1 YR.	INFANT MORT. RATE
			DEATHS	DEATH RATE			
TOTAL	1	27,000	199	7.3	465	17.2	16
	2	12,000	198	16.5	220	18.3	9
	3	26,000	418	16.1	802	30.8	53
	4	7,000	130	18.6	120	17.1	3
	5	17,000	128	7.5	279	16.4	7
	6	20,000	213	10.7	423	21.1	19
	7	14,000	151	10.8	337	24.1	9
	8	39,000	409	10.5	927	23.8	26
	9	64,000	580	9.1	1269	19.8	37
	10	20,000	132	6.1	374	18.7	11
	11	29,000	284	9.4	609	21.0	16
	12	21,000	176	8.4	439	20.9	6
	13	59,000	501	8.5	881	14.9	18
	14	31,000	289	9.3	623	20.1	28
	15	13,000	136	10.4	304	23.4	9
	16	46,000	363	8.0	741	16.1	21
NON-RESIDENT			640	-	4890	-	37
UNKNOWN ADDRESS			75	-	-	-	3
TOTAL			445,000	5222	11.4	13703	30.8
COLORED	1	1,500	28	18.6	66	44.0	6
	2	2,200	43	9.5	81	36.8	5
	3	17,000	272	16.0	670	39.4	47
	4	1,000	23	23.0	48	48.0	-
	5	800	16	20.0	40	50.0	3
	6	2,400	43	18.0	14	47.5	12
	7	5,400	69	12.8	210	38.9	6
	8	2,200	27	2.4	68	30.9	3
	9	3,000	45	15.0	160	53.3	5
	10	1,900	21	11.0	65	34.2	4
	11	1,500	22	14.7	74	49.3	2
	12	100	5	2.5	35	87.5	-
	13	500	5	1.0	11	22.0	1
	14	5,200	74	14.2	250	48.1	14
	15	3,500	32	9.0	106	30.3	3
	16	1,500	37	24.6	88	58.7	8
NON-RESIDENT			31	-	139	-	3
UNKNOWN ADDRESS			12	-	-	-	-
TOTAL			50,000	805	16.1	2225	44.5
WHITE	1	25,500	17	6.7	99	15.5	10
	2	2,800	155	15.8	139	14.2	4
	3	9,000	46	6.2	132	14.6	6
	4	6,000	103	17.0	72	12.0	3
	5	16,200	112	6.9	239	14.7	4
	6	17,500	70	9.6	309	17.6	7
	7	8,500	82	9.5	127	14.8	3
	8	36,800	312	10.4	359	23.3	23
	9	61,000	535	8.8	1109	18.2	32
	10	18,100	-	6.1	309	17.0	7
	11	27,500	262	9.5	535	9.5	14
	12	20,600	171	8.3	404	19.6	6
	13	58,500	495	8.5	170	14.9	17
	14	25,800	215	8.3	373	14.5	4
	15	9,500	104	10.9	198	20.8	6
	16	44,500	326	7.3	653	14.7	13
NON-RESIDENT			809	-	4751	-	94
UNKNOWN ADDRESS			63	-	-	-	2
TOTAL			395,000	4412	11.2	11452	29.0

SANITARY DIVISION

17

CHRISTOPHER C. NUGENT, JR. - ASST. HEALTH OFFICER -- JOHN F. LYNCH, CHIEF SAN. INSP. TOR

FOR THE PURPOSE OF INSPECTION, THE CITY IS DIVIDED INTO NINE INSPECTIONAL DISTRICTS. THE DIVISION ALSO USES THREE EMERGENCY AUTOMOBILES AND FIVE MOTORCYCLES TO EXPEDITE ITS ACTIVITIES.

FOLLOWING IS A COMPLETE LIST OF INVESTIGATIONS, NUISANCES FOUND, WRITTEN NOTICES SERVED AND ABATEMENTS:

INVESTIGATIONS	COMPLAINTS	ORIG. INSP.	REINSP.	TOTALS
ANIMALS (DOGS, CHICKENS, ETC.) - - - - -	641	2222	1099	4162
BABY STATIONS - - - - -	7	984	29	1020
BARBER SHOPS - - - - -	5	33	14	52
BATHING POOLS & BATHS - - - - -	2	52	3	57
BEAUTY PARLORS - - - - -	8	19	6	33
BOARDING HOMES - - - - -	2	68	60	130
CHICKEN SLAUGHTER HOUSES - - - - -	2	4806	431	5239
CONVALESCENT HOMES - - - - -		4		4
DAY NURSERIES - - - - -	4	2		6
DWELLINGS - - - - -	4165	30835	12782	47782
DOG KENNELS, POUNDS, SHELTERS, HOSPS. - - - - -	4	8		12
EMPLOYMENT AGENCIES - - - - -		1		1
HOSPITALS - - - - -		30	1	31
HOTELS - - - - -	1	14	2	17
HOUSING PROJECTS - - - - -	160	1021	487	1668
ICE DOCKS - - - - -	24	60	24	108
LODGING HOUSES - - - - -	3	36	2	41
ORPHAN ASYLUMS - - - - -		3		3
OFFICE BUILDINGS - - - - -	16	81	45	142
PENAL INSTITUTIONS - - - - -		2		2
PET SHOPS - - - - -	18	94	55	167
PUBLIC BUILDINGS - - - - -	41	430	275	746
PUBLIC DUMPS - - - - -	5	19	9	33
PUBLIC EXHIBITIONS - - - - -	13	23	13	49
PUBLIC PROPERTY - - - - -	4	6	33	96
PUBLIC STREETS - - - - -	46	424	337	807
R.R. STATIONS & BUS TERMINALS - - - - -	23	234	9	266
ROOMING HOUSES - - - - -	281	1456	873	2610
SCHOOLS - - - - -	1	218	84	303
STORES - - - - -	121	483	277	881
STABLES - - - - -	16	373	116	505
TAVERNS - - - - -	12	50	22	84
TENEMENTS - OVER 8 FAMILIES - - - - -	1616	11759	5845	18220
THEATRES - - - - -	44	1050	169	1263
VACANT LOTS - - - - -	238	611	430	1279
VEHICLES - - - - -	11	211	39	261
MISCELLANEOUS - - - - -	13	30	12	55
TOTALS - - - - -	7747	57807	23583	89137

DISSEMINATION

CASES ENTERED FOR PROSECUTION - - - - -	286
NUMBER OF CONVICTIONS - - - - -	102
HOURS IN COURT - - - - -	7454
PROCESS SERVED (FORMAL SUMMONS) - - - - -	848
BIRTH CERTIFICATE PACKAGES DELIVERED - - - - -	2323
HEARING CASES SCHEDULED - - - - -	723
COMPLAINTS REFERRED TO OTHER CITY DEPARTMENTS - - - - -	700
GAS FUMIGATIONS & RUMMAGE SALES - - - - -	425
COMPLAINTS INVESTIGATED (NO CAUSE) - - - - -	2278
NOTICES TO OWNERS OR AGENTS OF REAL ESTATE - - - - -	3703

NUISANCES FOUND - 17,466 NOT CIV. SERVED - 16,637 ABATEMENTS - 15,979

LICENSES & PERMITS

THE FOLLOWING LICENSES AND PERMITS ARE GRANTED BY THIS DIVISION AFTER APPROVAL BY THE INSPECTOR: ICE - MEAT - POULTRY - CHICKEN AND OTHER FOWL - RABBITS AND ANIMALS.

1. The first part of the document is a list of names and addresses.

2. The second part is a list of names and addresses.

3. The third part is a list of names and addresses.

4. The fourth part is a list of names and addresses.

5. The fifth part is a list of names and addresses.

6. The sixth part is a list of names and addresses.

7. The seventh part is a list of names and addresses.

8. The eighth part is a list of names and addresses.

9. The ninth part is a list of names and addresses.

10. The tenth part is a list of names and addresses.

11. The eleventh part is a list of names and addresses.

PSITTACOSIS

THE DIVISION OF SANITATION CONTINUED ITS OPERATIONS FROM THE MILITARY PARK AREA DURING THE YEAR. APPROXIMATELY ONE HUNDRED PIGEONS WERE CAPTURED AND DESTROYED, BRINGING THE TOTAL TO APPROXIMATELY 800 TRAPPED IN THE AREA SINCE THE CAMPAIGN STARTED IN 1946. THERE ARE FEW PIGEONS REMAINING HERE AND OPERATIONS WILL CONTINUE.

DISINFESTATION WEED ELIMINATION

FOR THE SECOND SUCCESSIVE YEAR, THE DIVISION OF SANITATION IN COOPERATION WITH THE DEPARTMENT OF PARKS AND PUBLIC PROPERTY CONTINUED TO SPRAY ALL WEEDS ON VACANT LOTS THROUGHOUT THE CITY, USING 80 GALLONS OF 20% 2-4-D. IT IS EXPECTED THAT THE SAME PROCEDURE WILL BE FOLLOWED DURING THE YEAR 1949.

FUMIGATION-PEST CONTROL

EDWARD SMITH, CHIEF INSPECTOR, FUMIGATION

THIS DIVISION SUPERVISES ALL TOXIC GAS FUMIGATIONS. ALL FUMIGATIONS ARE CARRIED OUT BY FUMIGATING COMPANIES LICENSED BY THIS DEPARTMENT. THIS DIVISION SUPPLIES NOTIFICATION FORMS TO LICENSED OPERATORS, WHICH MUST BE FILED AT THIS OFFICE FORTY-EIGHT HOURS PRIOR TO FUMIGATION AND AN INSPECTION IS MADE OF THE PREMISES TO ASCERTAIN WHETHER OR NOT IT CAN BE SAFELY CARRIED OUT. IF SO, A PERMIT IS ISSUED. ALL FUMIGATIONS ARE SUPERVISED BY US IN THEIR ENTIRETY. HOUSEHOLD FUMIGATIONS HERE NIL THIS YEAR, DUE TO THE NEW RESIDUAL INSECTICIDES.

THE FOLLOWING IS A TABULATION OF ACTIVITIES FOR 1948:

TOTAL NUMBER OF FUMIGATIONS	296
VAULT FUMIGATIONS (16 CHLOROPICRIN) (22 HCN)	38
FACTORY FUMIGATIONS (4 METHYL BROMIDE) (1 HCN)	5
RUMMAGE SALES (FORMALIN)	188
FOOD PLANTS (D.O.T. FOGGING)	5

RABIES CONTROL

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

ALL BITE CASES ARE INVESTIGATED BY SANITARY INSPECTORS ASSIGNED TO THE BACTERIOLOGICAL LABORATORY. BITING DOGS ARE QUARANTINED ON THE PREMISES. FOLLOWING INSPECTION, TEN DAYS LATER, THE ANIMAL IS STILL ALIVE AND WELL, IT PROVES THAT THE ANIMAL WAS FREE FROM RABIES IN THE INFECTIOUS STAGE AT THE TIME OF BITING, AND THE INDIVIDUAL DOES NOT NEED PASTEUR TREATMENT. THIS WORK REQUIRED 5,061 ORIGINAL AND RE-INSPECTIONS.

DURING THE YEAR, 52 DOGS FROM NEWARK AND OUT-OF-TOWN WERE EXAMINED AND FOUND TO BE NEGATIVE FOR RABIES. THERE WAS A MARKED REDUCTION FROM 1946 WHEN 34 NEWARK DOGS WERE PROVEN TO BE RABID AND 1947 WHEN WE FOUND 3 NEWARK RABID DOGS.

A STATE QUARANTINE ESTABLISHED BY THE STATE DEPARTMENT OF HEALTH IN 1946 IS STILL IN FORCE, PROHIBITING ANY DOG FROM BEING AT LARGE EXCEPT SECRETLY LEASHED IN CHARGE OF A RESPONSIBLE PERSON. IN SPITE OF THIS AND THE FACT THAT OUR LOCAL ORDINANCE ALWAYS REQUIRES DOGS AT LARGE TO BE EITHER LEASHED OR MUZZLED, 2,320 DOG BITES WERE REPORTED AND INVESTIGATED DURING THE YEAR.

SUMMARY

BITES INVESTIGATED	2,320	NEWARK DOG BIPANS EXAMINED	34 (ALL
INSPECTIONS	2,473	OUT-OF-TOWN " " " "	18 (NEG.
RE-INSPECTIONS	2,588	PASTEUR TREATMENT GIVEN	2
TOTAL INSPECTIONS	5,061		

INDUSTRIAL HYGIENE DIVISION

CHARLES J. KAGLIRE, CHIEF INSPECTOR

ACTIVITIES ARE CARRIED OUT BY THIS DIVISION UTILIZING THE VARIOUS SPECIALIZED FIELDS NECESSARY TO PROTECT AND PROMOTE THE HEALTH OF WORKERS WHICH COMPREHEND THE LARGE INDUSTRIAL POPULATION IN THE STATE. THESE SPECIALTIES INCLUDE INSPECTORIAL, ENGINEERING, MEDICAL AND NURSING AND CHEMICAL FUNCTIONS. WITH THESE FACILITIES, INDUSTRIAL PLANTS WERE REGULARLY INSPECTED AND SURVEYED FOR ENVIRONMENTAL CONDITIONS SUCH AS LIGHT, HEAT, VENTILATION, SANITATION, TOILET AND WASHING FACILITIES, HEALTH HAZARDS, ACTUAL OR POTENTIAL, ASSOCIATED WITH EXPOSURE OF WORKERS TO DUST, FUMES, VAPORS, GASES, MISTS, RADIOACTIVE SUBSTANCES AND OTHER TOXIC MATERIALS USED IN OR ARISING OUT OF INDUSTRIAL PROCESSES. ALSO PROVIDED THROUGH PERSONAL CONTACT AND EDUCATIONAL METHODS WERE INDUSTRIAL MEDICAL AND NURSING PROGRAMS, IN-PLANT MASS CHEST X-RAY PROJECTS, BLOOD TESTS FOR SEROLOGICAL DIAGNOSIS OF SYPHILIS AND THE EMPLOYMENT OF PART-TIME PHYSICIANS AND NURSES FOR IN-PLANT HEALTH PROMOTION PROGRAMS. THE EFFECTIVENESS OF THESE ACTIVITIES IS REALIZED WHEN WE CONSIDER THAT 7,410 PERSONS WERE X-RAYED. THIS WITH THE NECESSARY RETAKES GIVES US A FIGURE OF 7,485 CHEST X-RAYS TAKEN DURING THE YEAR OF 1948. ALSO 327 WORKERS WERE BLOOD-TESTED. THE INSPECTORS FOUND 838 VIOLATIONS IN INDUSTRIAL ENVIRONMENTS OF WHICH 655 WERE ABATED. AS A RESULT OF LEGAL PROCEEDINGS, \$270.00 IN FINES WERE IMPOSED FOR SPECIFIC VIOLATIONS. ENGINEERING FUNCTIONS NECESSITATED 828 VISITS TO INDUSTRY. THESE ENTAILLED ATMOSPHERIC DETERMINATIONS OF TOXIC SUBSTANCES, EVALUATION OF ENGINEERING CONTROL MEASURES PLUS DUST COUNTS AND LABORATORY ANALYSES OF FIELD SAMPLES COLLECTED.

INSPECTORIAL ACTIVITIES DURING 1948 - (TOTAL VISITS 11,472)

COMPLAINT INSPECTION	431	WRITTEN NOTICES SERVED	304	OCCUPATIONAL DISEASES	6
ORIGINAL " "	2484	VERBAL " "	500	TYPE: DERMATITIS	10
REINSPECTIONS	1335	TOTAL " "	684	LEAD	4
TOTAL INSPECTIONS	10250	INDUSTRIAL HYG. SURVEYS	357	SILICOSIS	2
ABATEMENTS	655	RECOMMENDATIONS GIVEN	223	NO. OF PLANTS	4
VIOLATIONS FOUND	838	COMPLIED WITH	220	HEARINGS HELD	9
		PENALTIES - VIOLATIONS - \$270.		LAW SUITS INSTITUTED	1

MEDICAL AND NURSING ACTIVITIES - (TOTAL VISITS 1,271)

INDUSTRIAL NURSES, SUR	35	RECOMMENDATIONS GIVEN	850	EXHIBITS DISPLAYED	5
MEDICAL CONSULTATION	4	FOLLOW-UP VISITS	308	CANCER, HEART, V.D.,	
NURSING VISITS	1200	LITERATURE DISTRIBUTED	11100	T.B., DIABETES	
		ORGANIZATIONS AIDED	10	ACCOMPLISHMENTS-PLANTS	40

ENGINEERING AND CHEMICAL ACTIVITIES - (TOTAL VISITS 828)

ENGINEERING SURVEYS	20	TOTAL HAZARDS FOUND	20
RECOMMENDATIONS GIVEN	65	TYPE: INSUFF. VENTILATION	4
FIELD OBSERVATIONS	45	CARBONMONOXIDE	2
TYPE: CARBONMONOXIDE	10	DUSTS	1
HYDROGEN SULFIDE	15	FUMES, GASES AND MISTS	7
RADIANT ENERGY	10	PHYSICAL HAZARDS	6
VELOCITIES	10	ENG. RECOMMENDATIONS	30
LABORATORY ANALYSES	5	TYPE: LOCAL EXHAUST VENT.	15
TYPE: CHLOR. HYDROCARBONS	2	ENG. PROCESSES	5
DUST COUNTS	3	ISOLATING PROCESSES	5
VISITS WITH INSPECTORS	750	SCRUBBING SYSTEM	3
ATMOSPHERIC SAMPLES COL.	5	PROTECTIVE GOGGLES	2

SUMMARY OF MASS X-RAY PROJECTS

NO. OF PERSONS X-RAYED	7410	NO. OF X-RAYS (SIZE):	
RE-RAYS	75	70 MM	7410
TOTAL NO. OF X-RAYS	7485	14x17	75

FINDINGS:	SUSP. T.B.	20	DEFINITELY ACTIVE	2
	MINIMAL T.B.	2	QUESTIONABLY "	20
	MOD. ADV. T.B.	0	INACTIVE	12
	FAR ADV. T.B.	0		34
	ARRESTED T.B.	12		
	TOTAL	34		

CARDIO-VASCULAR CONDITIONS FOUND	10
NON-TUBERCULOUS PATHOLOGY	250
PERSONS REFERRED FOR FOLLOW-UP	150

VETERINARY DIVISION

DR. M. J. HUGHES, CHIEF VETERINARIAN -- DR. JOHN J. DEVINE, ASST. CHIEF

THIS DIVISION IS RESPONSIBLE FOR THE INSPECTION OF SLAUGHTERHOUSES, BOLOGNA KITCHENS, BUTCHER SHOPS, FISH MARKETS, POULTRY MARKETS AND ALL OTHER ESTABLISHMENTS WHERE MEAT, FISH AND POULTRY ARE SOLD, HANDLED OR PROCESSED, INCLUDING CANNING, DISTRIBUTIONS. IT ALSO INSPECTS THE COMMISSARIES OF RESTAURANTS, LUNCH ROOMS AND HAMBURGER STANDS; MEAT AND FISH TRUCKS AND LOADING PLATFORMS; AND POULTRY AND MEAT FREIGHT AND EXPRESS CARS.

ALL MEATS OFFERED FOR SALE IN NEWARK MUST BE SLAUGHTERED EITHER UNDER FEDERAL GOVERNMENT SUPERVISION, OUR OWN VETERINARIANS, OR LOCAL VETERINARIANS OF OUTSIDE COMMUNITIES WHERE INSPECTION IS APPROVED BY US.

PERIODICAL INSPECTIONS ARE ALSO MADE OF BIRDS AND ANIMALS OFFERED FOR SALE IN LOCAL PET SHOPS, AS SUCH LIVESTOCK CAN BE, AND OFTEN IS A POTENTIAL SOURCE OF CERTAIN DISEASES TRANSMISSIBLE TO HUMANS.

DURING 1948 MORE THAN 21,000 CARCASSES OF CATTLE, SHEEP, CALVES, HOGS AND GOATS WERE INSPECTED AND RE-INSPECTED, EITHER AT LOCAL ABATTOIRS, OR AT LOCAL WHOLESALE HOUSES. CONDEMNATIONS DURING THE YEAR INCLUDED 13 ENTIRE CARCASSES, 2,131 PARTS OF CARCASSES, 30,642 LBS. OF POULTRY, 36,269 LBS. OF MISCELLANEOUS MEATS, FISH AND PROVISIONS.

	NO. INSPECTIONS			NO. INSPECTIONS	
BUTCHER SHOPS - - - - -	641	11,919	ABATTOIRS - - - - -	8	233
FISH STORES - - - - -	80	1,285	PET SHOPS - - - - -	21	267
BOLOGNA PLANTS - - - - -	50	2,835	CITY INSTITUTIONS - - -	3	344
POULTRY MARKETS - - - - -	72	1,411	WHOLESALE BEEF HOUSES -	42	2,428
PUBLIC MARKETS - - - - -	40	769	" FISH " - - -	9	316
REFRIGERATION PLANTS - -	2	65	"LIVE POULTRY" - - -	9	4,098
HORSE MEAT MARKETS - - -	4	257	CLAM HOUSES - - - - -	1	13

DIVISION OF SANITARY ENGINEERING

CHARLES A. HALLGRIM, CHIEF INSPECTOR

PLUMBING PERMITS FOR NEW CONSTRUCTION INCREASED DUE TO SOMEWHAT MORE AVAILABLE MATERIAL, ALTHOUGH THERE IS STILL ACUTE NEED FOR MORE HOUSING AND MORE MATERIAL. THIS DIVISION INVESTIGATES ALL COMPLAINTS REFERRING TO PLUMBING AND COOPERATES WITH OTHER DIVISIONS WHERE PLUMBING IS INVOLVED.

DURING 1948, AN ORDINANCE REGULATING THE FURNISHING OF HOT WATER TO TENANTS WAS ADOPTED. FAILURE TO SUPPLY WATER AT A TEMPERATURE OF 90° FAHRENHEIT BETWEEN 6 A.M. AND 8 P.M., WHEN THE LANDLORD HAS AGREED TO SUPPLY HOT WATER, IS NOW A HEALTH VIOLATION. WHERE THE TENANT HEATS HIS OWN WATER, THE LANDLORD IS RESPONSIBLE FOR SUPPLYING PROPER HEATING EQUIPMENT.

	1940	1941	1942	1943	1944	1945	1946	1947	1948
PLANS APPROVED - NEW SYSTEMS - -	206	168	135	142	45	130	181	187	223
PLANS APPROVED - OLD SYSTEMS - -	1157	1001	677	562	696	696	1,103	868	748
SEWER INSPECTIONS - - - - -	294	186	121	128	126	127	185	217	133
PLUMBING INSPECTIONS - - - - -	3777	2502	2243	2302	2652	2352	2902	3295	4000
SPECIAL INSPECTIONS - - - - -	4966	4713	6628	6732	1029	278	3365	9353	9493
FINAL PLUMBING INSPECTIONS - - -	1315	1108	1106	728	763	812	1110	978	954
WATER TESTS - - - - -	470	379	394	159	106	108	218	227	207
SMOKE TESTS - - - - -	75	89	35	48	3	4	5	11	34
COMPLAINTS RECEIVED - - - - -	490	484	531	583	785	3251	2932	2600	3300
VIOLATIONS NOTICES SERVED - - -	269	134	244	205	428	485	576	666	921
NOTICES COMPLIED WITH - - - - -	257	270	210	175	372	421	562	614	897
NUISANCES ABATED - - - - -					1095	2170	2487	2510	3307
LAW SUITS INSTITUTED - - - - -	66	28	27	44	8	17	30	55	88
MASTER PLUMBERS LICENSE ISSUED	438	424	419	401	396	384	412	431	424
CROSS CONNECTIONS DISCONTINUED	13	47	38	12	3	1	22	147	17
WATER SAMPLES COLLECTED - - - -	955	1363	1231	1138	1187	1169	600	851	563
DANCE HALLS INSPECTED - - - - -		333	332	282	282	133	166	171	149

COMMUNICABLE DISEASE DIVISION

DR. J. J. GARDAM, MEDICAL DIRECTOR -- WILLIAM S. JENNINGS, CHIEF INSPECTOR

THE COMMUNICABLE DISEASE DIVISION IS RESPONSIBLE FOR CONTROLLING AND PREVENTING THE SPREAD OF DISEASE OTHER THAN VENEREAL AND TUBERCULOSIS. CASES REPORTED BY PHYSICIANS, NURSES, ETC., ARE VISITED BY OUR INSPECTORS. ISOLATION ESTABLISHED AND CONTACTS QUARANTINED, PLACARDS PLACED AND CASES OFFICIALLY RELEASED AT THE TERMINATION OF THE USUAL PERIOD ESTABLISHED BY LAW. MANY HOMES ARE RE-VISITED FREQUENTLY WHERE IT IS NECESSARY TO MAINTAIN STRICT SUPERVISION TO ENSURE PROPER QUARANTINE AND CONCURRENT DISINFECTION. ALL CONTACTS TO DISEASES ARE EXAMINED BY THIS DIVISION BEFORE RETURNING TO SCHOOL OR BUSINESS. INSPECTORS MADE 21,388 SUCH VISITS DURING THE YEAR.

MORBIDITY REPORT	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	11-YR NORM.
* DIPHTHERIA	13	0	2	0	4	1	0	4	2	5	4
* SCARLET FEVER	1201	931	1087	645	401	642	604	496	433	345	604
TYPHOID FEVER	25	6	2	5	8	3	18	8	4	1	5
PARA TYPHOID	5	1	3	1	0	0	1	2	1	1	5
TUBERCULOSIS	594	586	612	674	705	585	495	575	528	538	585
UNDULANT FEVER	10	3	5	0	3	1	5	0	1	3	3
TRICHINOSIS	0	0	3	3	5	2	8	5	4	7	3
LOBAR PNEUMONIA	1069	994	912	952	1145	707	732	666	502	452	912
BRONCHO PNEUMONIA	662	583	599	597	799	567	545	623	494	629	599
EPIDEM. MENING.	3	7	4	36	136	118	52	32	21	10	21
* INFANT. PARALYSIS	5	10	18	37	13	29	50	19	17	31	8
* WHOOPING COUGH	2343	1051	1302	1534	1088	294	765	089	1373	208	1089
MEASLES	163	6878	4259	4105	4987	3142	191	1392	454	6247	405
GERMAN MEASLES	81	170	6552	379	9113	489	263	1583	171	293	293
CHICKENPOX	1173	2439	3632	2957	4484	3252	3479	903	5120	5059	3439
MUMPS	679	3503	1389	578	3094	2384	358	1263	2787	2760	1389
ERYSIPELAS	81	88	89	92	49	62	53	53	40	28	62
VINCENT'S ANGINA	182	140	98	416	428	173	1568	1207	1168	1194	428
OPHTHALMIA NEON.	151	127	58	91	61	47	68	44	46	45	61
PNEUMONIAL FEVER	0	4	4	0	2	4	1	0	2	0	1
DYSENTERY (AMB.)	1	2	2	2	0	2	0	0	0	4	2
TETANUS	2	1	2	3	0	2	0	2	1	1	1
INFLUENZA	104	89	424	138	194	75	109	57	45	35	89
MALARIA	0	0	0	0	0	56	86	46	9	2	0

* PLACARDED ** ARM BANDS ON PATIENTS

THE MOST OUTSTANDING FIGURE IN NEWARK'S COMMUNICABLE DISEASE PICTURE FOR 1948 WAS THE RELATIVELY SLIGHT INCREASE IN POLIOVIRUS CASES FOR THE CITY OVER THE PREVIOUS YEAR (31 - 17) AS COMPARED WITH THE NATION (27658 - 0807) AND THE STATE (812 - 298).

ALSO SIGNIFICANT WAS THE FACT THAT THERE WERE ONLY 288 CASES OF WHOOPING COUGH COMPARED WITH AN 11-YEAR NORM OF 1089 CASES. IT IS FELT THAT THIS VERY UNUSUAL DECREASE WAS DUE LARGELY TO THE IMMUNIZATION PROGRAM NOW SUPERVISED BY THIS DIVISION, WHOSE INSPECTORS MADE 17,000 VISITS TO PARENTS OF CHILDREN WHOSE RECORDS SHOWED NO IMMUNIZATION. ON THESE HOME VISITS THE INSPECTORS SECURE COOPERATION BY EDUCATIONAL METHODS AND TECHNIQUES.

DIPHTHERIA LIKEWISE HAS BEEN ALMOST ERADICATED IN NEWARK BY VIRTUE OF THIS PROGRAM. FIVE CASES AND NO DEATHS WERE REPORTED FOR THE YEAR. THREE OF THESE CHILDREN HAD NEVER BEEN IMMUNIZED; ONE WITHIN THREE YEARS AND ONE WITHIN ONE YEAR. TO BETTER PROTECT AGAINST THIS CHILDHOOD DISEASE, A PROGRAM OF RE-IMMUNIZATION OF SCHOOL CHILDREN WAS SPONSORED IN THE SCHOOLS DURING 1948. THIS IS EXPECTED TO FURTHER REDUCE THE INCIDENCE OF THE DISEASE.

THE INCREASE SHOWN FOR MEASLES (6247 FOR 1948 AS COMPARED WITH THE 1947 TOTAL OF 454 AND A MEDIAN OF 4105) IS PERHAPS EXPLAINABLE BY THE TWO-YEAR CYCLIC RE-APPEARANCE OF THIS DISEASE. LIKEWISE, THE LARGER NUMBER OF REPORTED CASES OF CHICKENPOX, MUMPS AND GERMAN MEASLES WOULD APPEAR TO BE EXPLAINED BY THE CYCLIC THEORY AND THE FACT THAT SCHOOL NURSES AND THIS DIVISION ARE BETTER ABLE TO DETECT AND EXCLUDE CASES OF MINOR CHILDHOOD DISEASES UNDER NEW PROCEDURES INAUGURATED THIS YEAR.

INSPECTORS IN THIS DIVISION MADE 21,388 VISITS TO HOMES DURING THE YEAR EXPLAINING THE DEPARTMENT'S QUARANTINE RULES AND REGULATIONS INSTRUCTING PARENTS AND HOUSEHOLDERS IN DISEASE PREVENTION AND ISOLATION AND INVESTIGATING COMPLAINTS. THESE INSPECTORS MADE A TOTAL OF 38,405 CALLS INCLUDING THE IMMUNIZATION PROGRAM.

CONTAGIOUS DISEASE DIVISION (CONTINUED)

IMMUNIZATION RECORD (WHOPPING COUGH & DIPHTHERIA)

NOTE: OUTSTANDING COOPERATION BY PRIVATE PHYSICIANS

<u>WHOPPING COUGH</u>				<u>DIPHTHERIA</u>			
PRIVATE DOCTOR	HEALTH CLINIC	TOTAL		PRIVATE DOCTOR	HEALTH CLINIC	TOTAL	
1941	0	4161	4161	2380	2004	4384	
1942	177	3697	3874	3798	2296	6094	
1943	1095	2819	3914	4593	3074	7667	
1944	3653	2951	6604	5486	2951	8437	
1945	4542	3052	7594	6084	3052	9136	
1946	4917	3339	8256	5937	3339	9276	
1947	6046	3324	9370	6706	3324	10110	
1948	6303	3389	9692	6619	3389	10008	

AS MOST OF THESE TREATMENTS ARE UNDER 1 YEAR OF AGE, PRACTICALLY ALL THE CHILDREN TREATED IN THE PAST 4 YEARS ARE STILL PRE-SCHOOL (34,9.2 WHOPPING COUGH), (38,530 DIPHTHERIA). AS THE ESTIMATED POPULATION UNDER 5 IS ABOUT 40,000, IT CAN READILY BE SEEN THAT OUR PROPORTION OF PROTECTED PRE-SCHOOL CHILDREN IS OVER 90% FOR DIPHTHERIA AND 85% FOR WHOPPING COUGH. AS IN OUR CLINICS, THE BULK OF PRIVATE DOCTOR TREATMENTS ARE WITH COMBINED MATERIAL.

WHOPPING COUGH IMMUNIZATION - PREVALENCE & SEVERITY

STUDY OF ALL REPORTED CASES FOR THREE YEARS (1946-1948) GIVES THIS DATA:

CASES UNDER 7 YEARS OLD (2221)

<u>ESTIMATE-POPULATION</u>						
<u>UNDER 7 YEARS</u>		<u>CASES</u>	<u>RATE</u>	<u>MILD</u>	<u>MODERATE</u>	<u>SEVERE</u>
UNIMMUNIZED	12,000	854	7.1%	230	447	177
IMMUNIZED	48,000	367	2.6%	664	588	115
TOTAL	60,000	2221	3.6%	894	1035	292

CASES OVER 7 YEARS OLD (529)

UNIMMUNIZED	-	272	86	32%	140	46
IMMUNIZED	-	257	124	48%	104	29
TOTAL		529	210	40%	244	75

NOTE: WE HAVE NOT ATTEMPTED TO ESTIMATE POPULATION OVER 7, AS CASES OCCUR AT ALL AGES, EVEN ADULTS. THE ESTIMATE FOR "UNDER 7" IS 60,000, AND OF THESE, 48,000 HAVE RECEIVED INJECTIONS, OR 80%. THE RATE OF PREVALENCE, ACCORDING TO THESE ESTIMATES IS APPROXIMATELY THREE TIMES AS HIGH AMONG UNIMMUNIZED CHILDREN, AS AMONG THOSE WHO HAVE HAD PROTECTIVE TREATMENT.

ABOUT TWO YEARS AGO, WE STARTED KEEPING ACCURATE RECORD AS TO DATE OF ATTACK IN RELATION TO DATE OF IMMUNIZATION TREATMENT, I.E., ATTACK MAY HAVE OCCURRED AS LONG AS THREE OR FOUR YEARS AFTER TREATMENT AND NATURALLY THE IMMUNITY HAD BEEN LOST IN SUCH CASES. MORE COMPLETE STUDY WILL BE POSSIBLE NEXT YEAR WITH THIS FACT IN MIND.

IN DIPHTHERIA WORK, IT HAS BEEN CLEARLY SHOWN THAT ABOUT 98% OF THE CHILDREN INJECTED WITH SUFFICIENT TOXOID DEVELOP SUFFICIENT IMMUNITY AND THAT IT LASTS AT LEAST THREE YEARS AND THEN RAPIDLY WANES. OUR PREVALENCE RATES AS SHOWN HERE WOULD INDICATE THAT A REASONABLY HIGH PROPORTION INJECTED FOR WHOPPING COUGH ALSO DEVELOP IMMUNITY.

ON THE SUBJECT OF SEVERITY WE FIND THE PROPORTION OF SEVERE CASES IS 21% AMONG THE UNPROTECTED GROUP AND ONLY 8% AMONG THOSE WHO HAD BEEN TREATED FOR IMMUNITY.

FOOD & DRUG DIVISION

JOSEPH E. CONOLLY, ASST. HEALTH OFFICER

During the year 1948 a FOODHANDLER INSTRUCTOR COURSE WAS MAJESTATED. THE COURSE CONSISTS OF FOUR ONE-HOUR LECTURES BY DEPARTMENT PHYSICIANS & DED BY NOTI N PLAC- TURES. WHEN AND AS EACH ESTABLISHMENT'S PERSONNEL COMPLETS THE COURSE, A CERTIFICATE IS ISSUED TO THE SAID FIRM WHICH CAN BE PLACED ON DISPLAY AND SMALL MEDICAL CERTIFI- CATES ARE GIVEN TO THOSE COMPLETING THE COURSE. THE VISUAL HEALTH FILMS & FOOD PHOTO- MATERIAL TRESS AND EXPLAIN IMPORTANCE OF HYGIENE, SANITATION AND SANITIZATION TO THE WELFARE OF THE ESTABLISHMENT, THE FOODHANDLING PERSONNEL, ITS PATRONS AND THE GENERAL PUBLIC. THE RESPONSE HAS BEEN VERY SATISFYING. IT IS THE AIM OF THE DEPARTMENT TO KEEP EXPANDING THIS COURSE SO THAT EVENTUALLY EVERY FOODHANDLER IN THE CITY WILL HAVE TAKEN THE SAME AND WILL CARRY OUT THE LESSONS THEY HAVE LEARNED.

IN COOPERATION WITH THE FEDERAL FOOD AND DRUG AUTHORITIES, INTENSIVE CON- TROL ROGRAMS WERE CARRIED OUT WITH REGARD TO SUCH PRODUCTS AS MACARONI, OLIVE OIL, SHRIMP AND DRUGS AND THE ELIMINATION OF ADULTERATED, CONTAMINATED AND MISBRANDED PRO- DUCTS FROM OUR MARKET.

WE ALSO COOPERATED WITH THE STATE DEPARTMENT OF HEALTH IN THE CONTROL OF ICE CREAM COUNTER FREEZERS, THEIR PROPER INSTALLATION AND THE SANITIZING OF SUCH EQUIP- MENT. ANOTHER CONTROL PROGRAM CARRIED OUT IN COOPERATION WITH OUR STATE DEPARTMENT WAS IN THE CHECKING OF SHELLFISH SOURCES AND IN THE TAKING OF SAMPLES FOR LABORATORY EXAM- INATION.

A PROGRAM WAS STARTED TO ELIMINATE FOOD VENDORS (PREPARED FOODS) FROM THE STREETS OF THE CITY, PARTICULARLY THOSE OPERATORS WHO DO NOT HAVE PROPERLY ENCLOSED AND EQUIPPED VEHICLES THAT CAN BE OPERATED IN A SANITARY MANNER.

CITY FOOD & DRUG INSPECTION SERVICE

PLACES WHERE FOODSTUFF IS PREPARED OR COOKED				MISCL. OTHER FOOD ESTABLISHMENTS INSPECTED			
	PLACES	INSPECTIONS			PLACES	INSPECTIONS	
RESTAURANTS, LUNCHROOMS & C	912	6239	TAVERNS - - - - -	511	2167		
" IN TAVERNS	449	2924	CONFECTIONERIES - - - - -	579	2064		
" IN CONFECTION.	204	773	GROCERY & DELICATESSEN	1394	6307		
" IN DELICATESSEN.	38	90	PRODUCE - - - - -	305	802		
" IN DRUG STORES	26	160	DRUG STORES - - - - -	182	481		
BAKERIES - - - - -	87	124	MISCELLANEOUS - - - - -	376	1210		
MISCELLANEOUS PLANTS - - -	52	519	SPECIAL INVESTIGATIONS		2043		

TOTAL INSPECTIONS & INVESTIGATIONS - - 26,203

GLASS SAMPLES FROM TAVERNS FOR BACTERIOLOGICAL EXAMINATIONS - 1948

BACTERIAL SAMPLES TAKEN - - - - -	1335		
STERILE - - - - -	842	63.07%	
COUNTS 1 TO 1,000 - - - - -	203	15.21%	
" 1,001 TO 100,000 - - - - -	261	19.55%	
" OVER 100,000 - - - - -			
SAMPLES SATISFACTORY - - - - -	1306	97.83%	
AVERAGE COUNT - - - - -	17600		

B. COLI SAMPLES TAKEN - - - - -	1335		
STERILE - - - - -	1197	89.67%	
COUNTS 1 TO 1,000 - - - - -	128	9.58%	
" OVER 1,000 - - - - -	10	.75%	
SAMPLES SATISFACTORY - - - - -	1325	99.25%	
AVERAGE COUNT - - - - -	46		

COLON INDEX SAMPLES TAKEN - - - - -			
STERILE - - - - -	1115	83.52%	
COUNTS 1 TO 50 - - - - -	83	6.22%	
" OVER 50 - - - - -	137	10.26%	
SAMPLES SATISFACTORY - - - - -	1198	89.74%	
AVERAGE COUNT - - - - -	45		

FOOD & DRUG DIVISION - (CONTINUED)

MILK & DAIRY CONTROL

<u>INSPECTION REPORT</u>	<u>INSP.</u>	<u>RE-INSP.</u>	<u>TOTAL</u>	<u>EXCLUDED</u>
PASTEURIZING PLANTS - -	144	6	150	1
RECEIVING PLANTS - -	142	13	155	-
DAIRIES - - - - -	7397	536	7933	140

MILK CONDENSED - - 13,402 QTS.

<u>MILK SAMPLING</u>	<u>NO. OF SAMPLES</u>	<u>AVE. BACT. PER C. C.</u>	<u>AVE. % BUTTERFAT</u>	<u>AVE. % TOTAL SOLIDS</u>
<u>GRADES OF MILK</u>				
CERTIFIED RAW - - - -	2	11,400	4.00	12.92
CERTIFIED PAST. - - -	2	6,800	3.87	12.81
PREMIUM - - - - -	89	9,900	3.96	12.37
PASTEURIZED - - - - -	401	11,200	3.61	12.31

WE ALSO MADE 858 PHOSPHATASE TESTS AS TO PROPER PASTEURIZATION

DAILY MILK CONSUMPTION

(POPULATION 445,000) DAILY CONSUMPTION = 242,787 QTS.
PER CAPITA " = 1.1 PINTS PER DAY.

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OCCUPATIONAL CLINIC

DR. WILLIAM T. RUMAGE, DIRECTOR

M. C. MANNING, OFFICE MANAGER

BY LOCAL ORDINANCE, ALL FOOD HANDLERS AND DOMESTICS MUST BE PHYSICALLY EXAMINED AND RECEIVE HEALTH CARDS EVERY SIX MONTHS. THE EXAMINATION INCLUDES THE BLOOD TEST FOR SYPHILIS, TWICE YEARLY FOR DOMESTICS AND ONCE YEARLY FOR FOOD HANDLERS, AS WELL AS A 4"x5" X-RAY ANNUALLY FOR BOTH FOOD HANDLERS AND DOMESTICS. VINCENT'S ANGINA SMEARS ARE TAKEN WHERE ABNORMAL MOUTH SYMPTOMS ARE PRESENT.

DURING THE YEAR, 33,512 FOOD HANDLERS AND 4,068 DOMESTICS RECEIVED HEALTH CARDS. OF THESE, 29,343 FOOD HANDLERS AND 3,623 DOMESTICS WERE EXAMINED WITHOUT COST AT OUR CLINIC. THE OTHER 4,614 WERE EXAMINED BY PRIVATE PHYSICIANS.

THE WORK IS PRINCIPALLY A CASE-FINDING PROGRAM FOR TUBERCULOSIS AND GENITAL DISEASE PLACING SUSPECTED CASES THUS FOUND, UNDER TREATMENT. IN ADDITION TO THIS THE PROCEDURE WARNS FOOD HANDLERS WITH THE HAZARDS OF DISEASE SPREAD AND THE VITAL NEED OF PERSONAL HYGIENE.

WE FOUND 570 OTHER FOODHANDLERS AND DOMESTICS WITH POSITIVE BLOOD TEST FOR SYPHILIS. THEY WERE GIVEN TEMPORARY CARDS AND IMMEDIATELY STARTED TREATMENT. THEY WERE NOT EXCLUDED AS THEY WERE NON-INFECTIOUS.

IN ADDITION TO THE 7 GONORRHEA CASES EXCLUDED UNTIL CURED, 20 OTHER GONORRHEA CASES WERE FOUND BUT RAPID CASE TREATMENT ENABLED THEM TO CONTINUE REGULAR WORK.

MANY CASES OF SKIN CONDITIONS WERE FOUND BUT NOT EXCLUDED, BEING NON-INFECTIOUS.

AMONG 3,665 SMEARS WHERE MOUTHS SHOWED SUSPICIOUS CONDITIONS, 1,297 WERE FOUND TO BE POSITIVE FOR VINCENT'S ANGINA. ALL WERE REQUIRED TO UNDERGO TREATMENT UNTIL CURED.

THIS CLINIC COOPERATES WITH THE INDUSTRIAL HYGIENE DIVISION BY X-RAYING AND BLOOD-TESTING GROUPS OF EMPLOYEES REFERRED BY THAT DIVISION. SUSPICIOUS X-RAYS ARE REFERRED TO THE TUBERCULOSIS DIVISION.

CITY DISPENSARY

MELVINA RYAN, R.N., DIRECTOR OF PUBLIC HEALTH NURSING SERVICE - OSCAR B. STEVENS,
CHIEF PHARMACIST

THE CITY DISPENSARY PROVIDES CLINIC TREATMENT FOR MEDICALLY INDIGENT AS WELL AS THOSE ON RELIEF. HOME MEDICAL CARE IS PROVIDED BY DOCTOR CALLS AND PAID FOR BY THE RELIEF DEPARTMENT FOR PATIENTS ACTUALLY ON RELIEF AND BY THE HEALTH DEPARTMENT FOR THOSE NOT ON RELIEF BUT UNABLE TO PAY. THE PATIENT IS GIVEN FREE TEND OF OF PHYSICIAN, THE 43,247 CLINIC TREATMENTS OF THE SICK POOR DO NOT INCLUDE APPROXIMATELY 33,000 VENEREAL DISEASE TREATMENTS, 3 000 TUBERCULOSIS AND CANCER TREATMENTS, NOR THE EXAMINATION OF 33 000 FOOD HANDLERS AND DOMESTICS. THAT IS MORE TRULY PREVENTIVE MEDICINE AND IS REPORTED UPON ELSEWHERE.

THERE WAS A MARKED INCREASE IN ATTENDANCE AT PRACTICALLY EVERY CLINIC, APPARENTLY DUE TO AN INCREASING NUMBER OF INDIVIDUALS WITH INSUFFICIENT INCOME. THERE WAS ALSO AN INCREASE IN THE NUMBER OF FREE PRESCRIPTIONS FROM 31,916 TO 37,468. THE PHARMACY ALSO HANDLES DISTRIBUTION OF BIOLOGICALS WHICH ARE SUPPLIED FREE TO PHYSICIANS, INCLUDING TOXOIDS, VACCINE, ETC. MANY OF THESE ARE SUPPLIED TO US BY THE STATE HEALTH DEPARTMENT WITHOUT COST. COD LIVER OIL WAS DISTRIBUTED TO 1,542 CHILDREN, MOSTLY AT BABY STATIONS.

THE DISPENSARY HAS A SMALL STAFF OF MEDICAL SOCIAL WORKERS TO CHECK ON ABILITY TO PAY. IN ADDITION TO PERSONAL INTERVIEW OF 12,833 NEW PATIENTS DURING THE YEAR, OF WHOM 36 WERE REJECTED, THIS STAFF MADE SPOT-CHECK HOME VISITS IN MANY CASES ESPECIALLY FOR DOCTOR VISITS TO HOME. WITH DOCTOR VISITS WE MUST NATURALLY SEND A PHYSICIAN FIRST, AND IF THE DOCTOR SUGGESTS ABILITY TO PAY, WE INVESTIGATE AND BILL IF NOT ELIGIBLE. NO FUTURE CALLS ARE PAID FOR INELIGIBLES.

HOME CARE OF THE SICK - DURING THE YEAR, DOCTORS OF THE PATIENTS' OWN CHOICE MADE 6,536 CALLS OF WHICH 2,685 WERE ON THE RELIEF ROLLS AND PAID FOR BY THE RELIEF DEPARTMENT. THE OTHER 3,851 WERE MEDICALLY INDIGENT AND WERE PAID FOR BY THE HEALTH DEPARTMENT AT A TOTAL COST OF \$40,644, AN AVERAGE OF \$3.44 PER VISIT. (\$3.20 FOR DAY CALLS - \$5.00 AFTER 11 P.M.) DURING 1948, BY ARRANGEMENT WITH THE VISITING NURSE ASSOCIATION, THIS DEPARTMENT PAID THAT ASSOCIATION FOR 2,332 HOME NURSING VISITS TO CARE FOR THE SICK. OF THESE, 1,055 WERE PAID BY THE RELIEF DEPARTMENT AND 1,277 BY THE HEALTH DEPARTMENT.

DURING THE YEAR, OUR DENTAL CLINICS FOR CHILDREN WERE GREATLY EXPANDED WITH SEVERAL ADDITIONAL NEIGHBORHOOD CLINICS, NOW TOTALING NINE, AND THE CENTRAL DISPENSARY MAIN CLINIC ARRANGED TO TREAT CHILDREN ONLY ON THREE DAYS AND ADULTS TWO DAYS.

THE CARDIAC CLINIC HAS BEEN INCREASED FROM ONE TO THREE WEEKLY SESSIONS AND A NURSE SPECIALLY TRAINED DETAILED TO TAKE AND DEVELOP ELECTROCARDIOGRAMS. THE DISPENSARY HAS A NUTRITIONIST WHO ASSISTS WITH SPECIAL DIETS FOR PATIENTS TOGETHER WITH HER GENERAL PUBLIC HEALTH WORK FOR PAROCHIAL SCHOOL CHILDREN AND AT CHILD HYGIENE STATONS.

CLINIC TREATMENTS

	1947	1948		1947	1948
MEDICAL	4934	6318	INSULIN & OTHER INJEC.	481	1129
CHILDREN	281	1504	CIRCUMCISION	277	225
SURGICAL	2014	3409	TUMOR	87	136
GYNAECOLOGICAL	228	33"	EMPTY DIAGNOSTIC CLINIC	222	2412
SKIN	3199	3178	TOTAL TREATMENTS	36574	43247
RECTAL & G. I.	1463	919	DIFF. PATIENTS TREATED	9164	26406
ORTHOPEDIC	956	958	PRESCRIPTIONS	31916	37468
DENTAL	11157	13469 **	X-RAYS DENTAL FILM	1577	1688
NEURO-PSYCHIATRIC	974	99	" CHEST FILM 4X5	32159	29134
ESSEX CO. HOSPITAL	150	98	" " " 14X17	5043	6054
NERVOUS DISEASES	1080	387	" " " " " " "	1875	1851
METABOLIC	704	851	DOC. CALL PD BY HEALTH DEPT.	2640	3851
VARICOSE VEINS	635	654	" " " " RELIEF DEP.	1458	2655
VACCINATION	* 43651	1011			
ALPINE LAMP	302	220			
MASSAGE & ELEC. THER.	974	1081			
TESTS-IMUNIZATIONS	1505	1639			

** 43,651 VACCINATIONS IN 1947 (SPEC. CAMP.)
** INCLUDES 6,146 VISITS TO SEVEN NEIGHBORHOOD CHILDREN'S DENTAL CLINICS

100

100

100

100

100

100

TUBERCULOSIS DIVISION

DR. IRVING WILLNER, DIRECTOR -- DR. JAMES JASO, ASST. DIRECTOR
MAE WACKENMUTH, R.N., SUPERVISING NURSE.

OUR TUBERCULOSIS MORTALITY RATE IN 1948 WAS 52.1, THE LOWEST IN OUR HISTORY. STRESS HAS BEEN PLACED DURING THE PAST YEAR ON, 1. TUBERCULIN TESTING OF CHILDREN IN PUBLIC AND PAROCHIAL SCHOOLS WITH X-RAYING OF ALL POSITIVE REACTORS AND THEIR CONTACTS, AND 2. BY MASS X-RAYING OF INDIVIDUALS OVER 15 YEARS OF AGE BY MEANS OF MOBILE AND STATIONARY UNITS - THESE DRIVES BEING CONDUCTED IN VARIOUS SECTIONS OF THE CITY AND IN INDUSTRY. THESE ACTIVITIES LEAD TO THE DISCOVERY OF MANY EARLY OR MINIMAL CASES OF TUBERCULOSIS AND THEIR SUBSEQUENT CURE, ISOLATION AND TREATMENT. THE DISCOVERY OF THE MINIMAL CASE RESULTS USUALLY TO A HEALED LESION, THUS REDUCING THE MORTALITY RATE. THE FINDING OF NEW CASES FORMS ONLY AN AUXILIARY STEP IN PROCEEDING TO THE MOST IMPORTANT FINDING THE GENERAL FOLLOW-UP BY CLINICAL EXAMINATION, SKIN TESTS AND LABORATORY WORK-UP - ALSO THE EXAMINATION OF ALL CONTACTS. THE MORTALITY RATE DURING THE YEAR WAS 120.9 AS COMPARED WITH 118.7 IN 1947. THE REDUCTION IN MORTALITY IN 1948 WAS MARKED BOTH AMONG WHITES AND COLORED. AMONG COLORED IT WAS 206.0, ALSO THE LOWEST EVER RECORDED FOR THIS GROUP AND PRACTICALLY A 50% REDUCTION IN THE PAST TWELVE YEARS.

PNEUMOTHORAX TREATMENTS GIVEN BY THE DIVISION SHOWED AN INCREASE DURING THE YEAR. THERE WERE 753 COLLAPSE THERAPY TREATMENTS GIVEN AS COMPARED WITH 718 IN 1947.

CLINICAL EXAMINATIONS INCREASED TO 8,827 AS COMPARED TO 8,113 IN THE PREVIOUS YEAR. A SIMILAR INCREASE TOOK PLACE IN THE HAY FEVER AND ASTHMA CLINIC WITH 125 EXAMINATIONS AS COMPARED WITH 95. DURING THE YEAR, 6,080 X-RAYS WERE TAKEN BY OUR DIVISION AS COMPARED WITH 5,959 IN 1947. IN ADDITION TO THE DIVISIONAL X-RAYS, 1,226 PLATES WERE EXAMINED FROM OUR CLINICS AND DISPENSARIES OF THE CITY DISPENSARY. AMONG THE ROUTINE X-RAYS TAKEN IN THE CHEST CLINIC, 85 ACTIVE CASES OF TUBERCULOSIS WERE FOUND. AMONG THE 1,228 SUSPECTIVE X-RAYS FROM OTHER CLINICS, THE FOLLOWING PATHOLOGY OR DIAGNOSIS WAS MADE:

CARDIAC PATHOLOGY ...	237	ARRESTED TUBERCULOSIS ...	26
ACTIVE TUBERCULOSIS ...	18	BRONCHIECTASIS ...	6
SILICOSIS ...	4	PNEUMOCONIOSIS ...	3

THE CARDIAC MORBIDITY MORE THAN DOUBLED ITS ACTIVITY DURING 1948 AND 3,479 EXAMINATIONS WERE MADE AS COMPARED WITH 1,734 IN 1947. ROUTINE ELECTROCARDIOGRAMS ARE TAKEN TO ASSIST IN THE DIAGNOSIS OF CARDIAC PATHOLOGY AND 385 TRACINGS WERE TAKEN.

THE NURSES MADE 24,839 VISITS AS COMPARED WITH 28,402 IN 1947. THE REDUCTION IN THE NUMBER OF VISITS IS THE RESULT OF REVIEWING MANY OLD CASES IN OUR FILES AND LISTING OF MANY OF THEM AS NATIVE OR ARRESTED. WE HAVE ESTABLISHED A GOAL FOR THE FUTURE WITH AN EFFORT TO LOCATE AND DISCOVER NEW CASES ESPECIALLY IN THE EARLIEST POSSIBLE STAGE. THE ISOLATION AND TREATMENT OF THESE CASES FORM A PRIME FACTOR IN THE DROPPING OF THE MORTALITY RATE AS THEY INVARIABLY RESULT IN CURE WITH THE RETURN OF A HEALTHY CITIZEN TO THE MUNICIPALITY. THE MORTALITY RATE CAN FURTHER BE REDUCED BY ISOLATION OF ALL ACTIVE AND OPEN CASES TO PREVENT THE SPREAD OF TUBERCULOSIS BY CONTACT. WE HOPE THAT IMPROVED SANITATION, BETTER HOUSING AND THE ELIMINATION OF SLUMS IN THE CITY WILL ASSIST OUR EFFORTS IN THE FUTURE.

DIVISIONAL WORK

VISITS, INVESTIGATIONS BY NURSES	24,839
CLINIC EXAMINATIONS - ADULTS & CHILDREN	8,827
CLINIC EXAMINATIONS - CARDIAC	3,479
CLINIC EXAMINATIONS - HAY FEVER-ASTHMA	1,125
X-RAYS	6,080
FOLLOW-UP EXAMINATIONS	113
PNEUMOTHORAX TREATMENTS	753
CAMP CHILDREN EXAMINATIONS	738
PATCH TESTS	160
EXAMINATIONS FOR SANATORIA & HOSPITALS	
VERONA - COUNTY SANATORIUM CLINIC	246
GLENN GARDNER - STATE SANATORIUM CLINIC	213
FARMINGDALE - STATE PREVENTORIUM CLINIC	7
SOMERSET - COUNTY HOSPITAL CLINIC	6

FOOD HANDLER & DOMESTIC WORK

FOOD HANDLER RE-EXAMINATIONS	390
" " TEMPORARY CARDS	238
" " REJECTIONS	11
DOMESTIC RE-EXAMINATIONS	121
" " TEMPORARY CARDS	33
" " REJECTIONS	2
EXAMINATIONS - NEIGHBORHOOD CLINICS	
SETH BOYDEN	57
PENNINGTON COURT	44
WEST STREET	38
BAXTER COURT	36
FERRY STREET	36
CUTLER STREET	21

(SEE STATISTICAL TABLES FOR MORTALITY & MORBIDITY BY COLOR)

DEATHS (LAPSE OF TIME AFTER REPORT CASE)

NO. CASES REPORTED PRIOR TO DEATH - - - - -	UNDER 1 YEAR - - - - -	112 - 49%
	1 TO 2 YEARS - - - - -	19 - 8
	2 TO 3 YEARS - - - - -	16 - 7
	3 TO 4 YEARS - - - - -	5 - 2
	4 YEARS & OVER - - - - -	31 - 13
		183 - 79%
NO. CASES REPORTED AFTER DEATH - - - - -		48 - 21%

DIVISION OF CHILD HYGIENE

DR. JULIUS LEVY, DIRECTOR -- MRS. MEREDITH ENRICH, SUPERVISING NURSE

THE INFANT MORTALITY RATE FOR 1948 IS 28.3, THE LOWEST RATE EVER REPORTED FOR THE CITY OF NEWARK. THE DEATH RATE FOR INFANTS UNDER ONE WEEK IS 19.2, WHICH MEANS THAT THE DEATHS UNDER ONE WEEK REPRESENT 67.8% OF THE DEATHS UNDER ONE YEAR. SINCE 98% OF THE BIRTHS OCCUR IN HOSPITALS, IT IS OBVIOUS THAT A FURTHER REDUCTION IN INFANT MORTALITY MUST COME FROM A REDUCTION IN THESE EARLY DEATHS.

THE DEATH RATE FOR INFANTS OVER ONE MONTH BUT UNDER ONE YEAR IS ONLY 5.8 PER 1,000 AND IS THE LOWEST SINCE 1913, THE YEAR IN WHICH THE DIVISION WAS ORGANIZED.

THE MATERNAL MORTALITY RATE IN 1948 IS .7 PER 1,000 DELIVERIES. THIS RATE IS IN MARKED CONTRAST WITH THE RATE OF 1925, WHEN IT WAS 7.7 OR EVEN IN CONTRAST WITH THE RATE OF 1934, WHEN IT WAS 5.2.

THERE ARE NOW 22 BABY-KEEP-HELL STATIONS WITH 9 DOCTORS AND 36 NURSES. THESE BABY-STATIONS ARE FOR WELL BABIES ONLY. MOTHERS MADE 13,007 VISITS TO THE STATIONS WITH THEIR BABIES DURING THE YEAR. THE NURSES, WHO DELIVER BIRTH CERTIFICATES TO PRACTICALLY ALL THE MOTHERS IN THE CITY, VISITED 6,214 NEWBORN BABIES DURING 1948, WHICH IS OVER 90% OF THE NUMBER OF NEWARK BABIES BORN DURING THE YEAR. IN ADDITION, THE NURSES VISITED 6,421 BABIES BORN IN THE PREVIOUS YEAR.

THE NURSES' VISITS ARE MADE FOR THE PURPOSE OF TEACHING MOTHERS THE GENERAL CARE, FEEDING, AND MANAGEMENT OF THEIR INFANTS. SPECIAL EMPHASIS IS BEING PLACED ON MENTAL HEALTH THROUGH IMPROVED PARENT-CHILD RELATIONSHIPS. IN-SERVICE TRAINING THROUGH CONFERENCES AND SPECIAL COURSES HAS HELPED THE NURSES TO EQUIP THEMSELVES FOR THIS NEWER PHASE OF CHILD HYGIENE.

IN 1948, 03 BOARDING HOMES WERE LICENSED AND 16 HOMES WERE REJECTED. THIS WORK IS IN CHARGE OF A SPECIALLY TRAINED SOCIAL WORKER. EXPERIENCE HAS INDICATED THAT IN SPITE OF CONCERTED EFFORTS BY SOCIAL AGENCIES AND BY PUBLIC DEPARTMENTS TO OBTAIN A SUFFICIENT NUMBER OF FOSTER HOMES, THE NEED FOR SUCH HOMES IS NOT BEING MET. WE FIND THAT MANY WELL BABIES ARE BEING KEPT IN HOSPITALS, BECAUSE THE AGENCIES CANNOT FIND HOMES FOR THEM. THERE IS A TENDENCY, ALSO, FOR PRIVATE AGENCIES TO RECOMMEND THAT A LARGER NUMBER OF CHILDREN BE ALLOWED IN HOMES THAN SEEMS DESIRABLE. FURTHERMORE, THE COMMUNITY IS NOT PREPARED TO TAKE CARE OF CHILDREN IN EMERGENCIES, SUCH AS, FIRES, SUDDEN DEATH OF A PARENT, ILLNESS, AND THE LIKE. UNDER THE CIRCUMSTANCES, WE WISH STRONGLY TO RECOMMEND THAT SPECIAL PROVISION BE MADE FOR THE TEMPORARY EMERGENCY CARE OF INFANTS AND CHILDREN. THIS COULD BE DONE BY USING AN INSTITUTION WITH PROPER SAFEGUARDS OR BY SUBSIDIZING PRIVATE HOMES. THE NEED IS GREAT, AND SOMETHING SHOULD BE DONE. RECENTLY SOME OFFICERS OF THE POLICE DEPARTMENT, TOO, EXPRESSED THE GREAT NEED FOR THE PROPER PLACEMENT OF INFANTS IN EMERGENCIES.

THERE IS SOME RELATION BETWEEN THE GREAT NEED FOR BOARDING HOMES FOR INFANTS AND THE FACT THAT THERE WERE 465 ILLICIT MATE BIRTHS IN NEWARK DURING THE PAST YEAR.

BOARDING HOMES - 1948

NUMBER OF BOARDING HOMES LICENSED OR RENEWED DURING 1948	03
NUMBER OF BOARDING HOMES REJECTED DURING 1948	16
REGULAR RE-INSPECTIONS ARE MADE OF ALL LICENSED HOMES	
NUMBER OF DAY NURSERIES UNDER SUPERVISION IN COOPERATION WITH NEW JERSEY STATE DEPARTMENT OF EDUCATION	8
NUMBER OF NURSERY SCHOOLS (DAY-CARE CENTERS) UNDER SUPERVISION IN COOPERATION WITH NEW JERSEY STATE DEPARTMENT OF EDUCATION	6

NURSES' ACTIVITIES (NOTE INCREASE)

YEAR	SUPERVISED BABIES BORN DURING YEAR	TOTAL NO. OF SUPERVISED BABIES UNDER TWO YEARS	NURSES' VISITS TO HOMES	MOTHERS' VISITS TO CONSULTATION STATIONS
1928	4,236	7,593	51, 89	16,250
1933	4,386	11,868	71,093	34,845
1938	4,972	15,848	69,400	24,921
1943	7,530	16,663	76,632	16,776
1948	8,244	14,635	97,988	13,007

(SEE SPECIAL TABLES FOR STATISTICAL DATA)

VENEREAL DISEASE CONTROL DIVISION

DR. ANES L. FILIPPONE, PHYSICIAN-IN-CHARGE -- DR. ISADORE PINCUS, EPIDEMIOLOGIST
DR. E. MAE MACCARROLL, ASST. EPIDEM.

VENEREAL DISEASE CONTROL IS MORE THAN EVER AN ESSENTIAL PUBLIC HEALTH ACTIVITY. WITH THE GREATLY IMPROVED AND MORE RAPID TREATMENT METHODS, HAS COME AN INCREASING DISREGARD FOR VENEREAL DISEASE AS A DETERRENT TO SEXUAL PROMISCUITY. FINDING THE CASE IS BECOMING THE MOST IMPORTANT ACTIVITY. ALL PATIENTS UNDER TREATMENT MUST STILL BE MADE TO CONTINUE UNTIL CURED AND EVERY REPORTED CASE MUST BE INVESTIGATED TO BRING IN FAMILY OR OTHER CONTACTS FOR EXAMINATION. WHEN WE CAN LEARN THE SUSPECTED SOURCE, THAT MUST ALSO BE CHECKED. OUR STAFF OF FIELD INVESTIGATORS MADE 11,650 HOME VISITS DURING THE YEAR FOR THOSE PURPOSES. MORE THAN HALF OF THE NAMED SOURCES OF INFECTION WERE FOUND. MANY OF THESE WERE SUBMITTED BY THE STATE HEALTH DEPARTMENT, OFTEN WITH VAGUE, MEAGER DESCRIPTIONS.

THE STATE HEALTH DEPARTMENT DISCONTINUED ITS SUBSIDY OF PERSONNEL FOR A GONORRHEA CULTURE LABORATORY EARLY THIS YEAR. WE HAVE, HOWEVER, SECURED NECESSARY PERSONNEL AND THE WORK WILL BE RESUMED BY MARCH 1, 1949. THE DIVISION HAS MOVED INTO NEW QUARTERS AT 102 WILLIAM STREET WITH ALL THE CLINICS ON ONE FLOOR, ASSURING GREATER EFFICIENCY IN HANDLING THE WORK.

OUR CASE FINDING PROGRAM IS GREATLY AIDED BY ROUTINE BLOOD TEST OF FOOD-HANDLERS, DOMESTICS AND ALL DISPENSARY PATIENTS, AS WELL AS MANY GROUPS REFERRED BY THE INDUSTRIAL HYGIENE DIVISION. ROUTINE TESTS TOTALED 67,291. IN ADDITION TO THESE, 17,136 BLOOD TESTS WERE MADE FOR PREMARITAL AND PRENATALS AS REQUIRED BY LAW. WE FOUND 6,097 OTHERWISE UNSUSPECTED CASES IN THIS WAY AMONG WHICH WERE 215 PREMARITAL AND 132 PRENATALS.

CLINIC REPORT

		1947	1948
<u>SYPHILIS</u>	NEW PATIENTS - MALE - - - - -	325	287
	" " - FEMALE - - - - -	347	277
	TOTAL NEW PATIENTS - - - - -	672	564
	PATIENTS TREATED - MALE - - - - -	1224	1202
	" " - FEMALE - - - - -	982	1184
	TOTAL PATIENTS TREATED - - - - -	2206	2386
	TREATMENTS GIVEN - - - - -	22785	17728
	CASES REPORTED FROM NEWARK - - - - -	2105	1890
	PATIENTS DISMISSED, ARRESTED OR CURED - - - - -	1140	1760
	PATIENTS PUT ON REST - - - - -	360	125
<u>GONORRHEA</u>	NEW PATIENTS - MALE - - - - -	951	660
	" " - FEMALE - - - - -	285	327
	TOTAL NEW PATIENTS - - - - -	1236	987
	PATIENTS TREATED - MALE - - - - -	1443	1407
	" " - FEMALE - - - - -	1120	1009
	TOTAL GONORRHEA PATIENTS TREATED - - - - -	2563	2416
	TOTAL VISITS G.C. - - - - -	7049	6569
<u>SOURCES OF INFECTION</u>	NAMED - - - - -	705	645
	FOUND AND EXAMINED - - - - -	315	342
	FOUND INFECTIOUS - - - - -	132	118

LABORATORIES

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST
 DR. H. S. MARTLAND, PATHOLOGIST HALSEY DURAND, B.S., CHIEF CHEMIST
 DISPENSARY LABORATORY - CARL CORDASCO, B.S., PH.G., BACTERIOLOGIST

BACTERIOLOGICAL

DIPHTHERIA CULTURES - - - - -	3108
" " POSITIVE - - - - -	0
TUBERCULOSIS SPUTA - - - - -	3389
" " POSITIVE - - - - -	475
TYPHOID (VIDALS) - - - - -	31
" " POSITIVE - - - - -	1
PARA TYPHOID, A & B - - - - -	23
" " POSITIVE - - - - -	1
DOG BRAIN EXAM. (RABIES) - - - - -	52
" " POSITIVE - - - - -	0
VINCENT'S ANGINA SMEARS - - - - -	1774
" " POSITIVE - - - - -	270
GONORRHOEA SMEARS - - - - -	6183
" " POSITIVE - - - - -	735
" CULTURES - - - - -	376
" " POSITIVE - - - - -	90
EXAM. FOR UNDULANT FEVER - - - - -	17
" " POSITIVE - - - - -	3
EXAM. OF FECES & URINE - - - - -	53
WATER EXAMINATIONS - - - - -	406
MILK & CREAM EXAMINATIONS - - - - -	750
ICE CREAM EXAMINATIONS - - - - -	530
SHELL FISH - - - - -	66
SWABBINGS FROM EATING UTENSILS - - - - -	1339
RINSE WATER SWABBINGS - - - - -	302
PASTEUR TREATMENTS GIVEN - - - - -	2

SEROLOGICAL

PREMARITAL TESTS (KAHN) - - - - -	11267
" " POSITIVE - - - - -	215
PRENATAL - - - - -	5869
" " POSITIVE - - - - -	132
DIAGNOSTIC - - - - -	33069
" " POSITIVE - - - - -	3378
TOTAL KAHN TESTS - - - - -	50205
" " POSITIVE - - - - -	3725
CONFIRMATION WASSERMANN'S - - - - -	4700
" " POSITIVE - - - - -	2457
SPINAL FLUIDS, WASSERMANN'S - - - - -	924
" " POSITIVE - - - - -	71
RA FACTOR DETERMINATION - - - - -	4002
" " POSITIVE - - - - -	3605
HETEROPHILE ANTIBODY DET. - - - - -	79
" " POSITIVE - - - - -	18
BLOOD TEST (FOR TYPE) - - - - -	243

CHEMICAL

TOTAL EXAMINATIONS - - - - -	2443
MILK SAMPLES - - - - -	656
" " BELOW STANDARD - - - - -	0
MILK AVERAGE SOLIDS (ALL SAMPLES) - - - - -	12.31
" " FAT " " - - - - -	3.61
CREAM SAMPLES - - - - -	7
" " BELOW STANDARD - - - - -	0
ICE CREAM SAMPLES - - - - -	345
" " BELOW STANDARD - - - - -	2
WATER SAMPLES - - - - -	253
MISCL. " - - - - -	322
PHOSPHATASE TEST (MILK PASTEURIZ'N) - - - - -	858
NOTE - SPECIAL EXAMINATIONS INCLUDED	
HORSE MEAT, ADDED SULPHITES AND EX-	
CESSIVE FAT CONTENT IN MEATS;	
ARTIFICIAL FLAVORINGS, ETC.	

DISPENSARY LABORATORY

KLINE	TOTAL	POS.
BLOOD TESTS		
FOR		
SYPHILIS		
FOOD HANDLERS	16355	279
DOMESTICS - -	3001	152
INDUSTRIAL - -	1413	41
CLINICS - - -	8119	1606
MILITARY - - -	875	12
PRIVATE DOCTOR	3503	132
MARRIAGE - - -	731	42
TOTAL KLINEs	34222	2372
QUANTITATIVE KLINE TESTS - - - - -	225	101
DARKFIELDS - - - - -	184	39
SPINAL FLUIDS - - - - -	197	35
GONORRHOEA SMEARS - - - - -	8776	1605
VINCENT'S ANGINA SMEARS - - - - -	3692	1246
TRICHOMONAS VAGINALIS - - - - -	4	3
URINALYSES - - - - -	2235	-
SPECIAL TESTS FOR BLOOD COUNT		
CLOTTING & BLEEDING TIME,		
SEDIMENTATION RATE, ETC. - - - - -		
	678	-

